# 26” LCD Television with NTSC/ATSC Tuner

FLM-2632




20060215

# Federal Communications Commission Statement

This equipment has been tested and found to comply with the limits of a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

1. Reorient/Relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on a circuit which is different from what the receiver is connected to.
4. Consult the dealer or an experienced radio/TV technician for help.



**Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user authority to operate the equipment.**

# Warnings and Precautions

To prevent any injuries, the following safety precautions should be observed in the installation, use, servicing and maintenance of this equipment.
Before operating this equipment, please read this manual completely, and keep it nearby for future reference.



**WARNING**

This symbol is intended to alert the user to avoid the risk of electric shock.
This equipment must not be disassembled by anyone except qualified service personnel.



**CAUTION**

This symbol is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the appliance.



To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.

- TO REDUCE THE RISK OF ELECTRIC SHOCK,
- DO NOT REMOVE COVER (OR BACK).
- NO USER-SERVICEABLE PARTS INSIDE.
- REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

## Important Safety Instructions



This symbol indicates caution points.



This symbol indicates actions that should not be done.



This symbol indicates actions that must be performed.



- Do not place the equipment on any uneven or unstable carts, stands, tables, shelves etc. The equipment may fall, causing serious injury to children or adults and serious damage to the equipment itself.
- Use only a cart or stand recommended by the manufacturer. This equipment and recommended cart or stand should be handled with care. Quick stops, excessive force, and uneven surfaces may cause the equipment and cart/stand to overturn.



- Do not disable the 3-wire grounding type plug. The grounding pin on the 3-prong plug is an important feature. Removing the grounding pin will increase the risk of damaging the equipment.
- If you can not fit the plug into the electrical outlet, contact an electrician to install a grounding outlet.
- Always operate this equipment from the type of power source indicated on the rear of the serial/model plate.

- Never overload wall outlets and extensions.
- Use and handle the power cord with care. Do not place any heavy objects on the AC power cord.
- Do not pull the AC power cord. Do not handle the AC power cord with a wet hand.
- Do not touch the power cord and antenna cable during lightning.
- Remove the plug from the wall outlet, if the equipment will not be used for a long period of time.
- Do not place, use or handle this equipment near water.
- Never expose the equipment to liquid, rain, or moisture.
  Seek for service if any of the above is spilled into the equipment.
- Do not expose the equipment to extreme temperature or to direct sunlight, as the equipment may heat up and suffer damage.
- Do not install the equipment near any heat sources such as radiators, heat registers, stoves, or any other apparatus that might produce heat.
- Do not attempt to service the equipment yourself.
- Opening and removing the covers may expose you to dangerous voltage or other hazards and may void your warranty. Refer service to qualified personnel.
- Do not place or drop any other objects on top.
- Do not insert anything into the ventilation holes of your equipment.
  Inserting any metal or flammable objects may result to fire or electric shock.

- Do not place the equipment on uneven or unstable carts, stands, tables, shelves etc. The equipment may fall, causing serious injury to children or adults and serious damage to the equipment itself.
  Always place the equipment on the floor or on a surface that is sturdy, level, stable and strong enough to support the weight of the equipment.
- Do not block any ventilating openings. Leave an open space around the equipment.
  Never place the equipment :
  on a bed, sofa, rug, or any other similar surfaces; too close to drapes/curtains/walls, in a bookcase, built-in cabinet, or any other similar places that may cause poor ventilation.

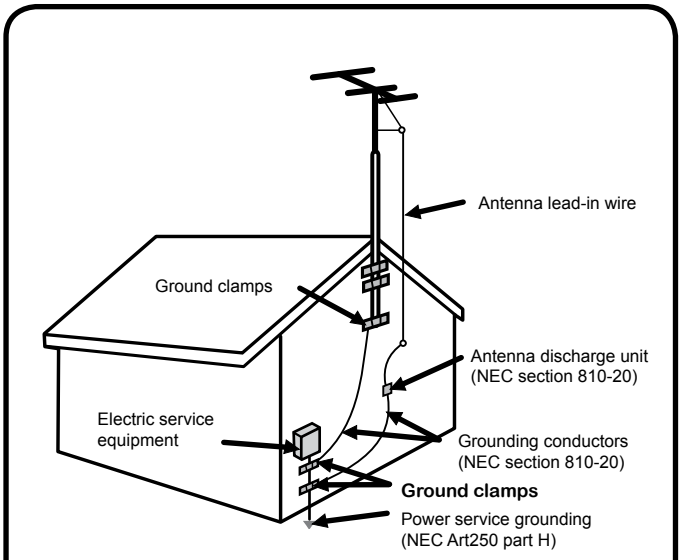
- Always remove the power cord from the outlet before cleaning the equipment.
- Never use liquid or aerosol cleaners on the equipment.
  Clean only with a soft dry cloth.

## Antenna Safety Instructions

If an outdoor antenna is connected, follow the precautions below:

- An outdoor antenna should not be located in any area where it could come in contact with overhead power lines, or any other electric light or power circuits.
- When installing an outdoor antenna system, extreme caution should be taken to prevent contact with power lines. Direct contact with power lines may be fatal and should be avoided at all costs.

Section 810 of National Electrical Code (NEC) provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.




EXAMPLE OF OUTDOOR ANTENNA GROUNDING

# TABLE OF CONTENTS


## Federal Communications Commission Statement ..... 1

## Warnings and Precautions

Important Safety Instructions ..... 2
Antenna Safety Instructions ..... 4

## Chapter 1 Introducing the LCD TV

Key Features ..... 6
Package Contents ..... 7
Setting Up Your LCD TV ..... 8
Your LCD TV ..... 10
Your Remote Control ..... 12

## Chapter 2 Installing the LCD TV

Connecting a TV Cable or an Antenna ..... 14
Connecting a VCR ..... 18
Connecting a Video Camera or Play Station ..... 19
Connecting a DVD Player ..... 20
Connecting a Digital TV Cable Box or Digital Satellite Receiver ..... 22
Connecting an AV Equipment with HDMI Connector ..... 23
Connecting an AV Equipment with DVI Connector ..... 24
Connecting a PC ..... 25
Connecting an Audio Receiver or a Dolby Digital 5.1 Sound System ..... 26

## Chapter 3 USING THE FEATURES

Using Picture-In-Picture ..... 27
Wide Screen Viewing ..... 29
Operating the Menu ..... 30
Setting up the HDTV Function ..... 32
Customizing the VIDEO Settings ..... 35
Customizing the AUDIO Settings ..... 36
Customizing the SETUP Settings ..... 37
Using the V-CHIP Settings ..... 39
Using the Parental Settings ..... 41
Customizing the TV Settings ..... 42

## Specifications ..... 43

## Chapter 4 Programming your Remote Control

Introduction ..... A
Programming a Device ..... A
Troubleshooting ..... B
Manufacturer's Codes ..... C


ENGLISH

# Chapter 1
# Introducing the LCD TV

## Key Features

**Various Audio/Video terminals for external equipment connection**

- 2 set of composite A/V input terminals
- 1 set of S-VIDEO terminals
- 2 set of component Video input terminals
- 1 VGA/ Audio input terminal
- 1 HDMI/Auido input terminal
- 1 sets of Audio(L/R) output terminals
- 2 SPDIF output terminal (Optical x 1 /Coaxial x 1)
- 1 Headphone terminal

**The built-in TV tuner to receive HD ATSC**

- This function allows the reception of HD broadcasting without the addition of a set top box.

**High Definition Multimedia Interface (HDMI)**

- High Definition Multimedia Interface (HDMI) is a small, user-friendly interconnect that can carry up to 5 Gbps of combined video and audio in a single cable. This system eliminates the cost, complexity and confusion of multiple cables used to connect current A/V systems.

**HDTV Component Video Inputs**

- Offers the best video quality for DVD(480p) and digital set-top-box (HD1080i, 720p) connections.

**3D Digital Noise Reduction**

- This function can digitally reduce image noise to provide better picture quality.

**Film-Mode Detection (3:2 Reverse Pull Down)**

- This function can automatically detect content derived from film and adjust the interlacer's frame matching to provide a more natural-looking, clearer image of the moving picture.

**PIP Function**

- Provides viewing of two programs simultaneously, in either picture-in-picture mode or picture-on-picture (side by side) mode.

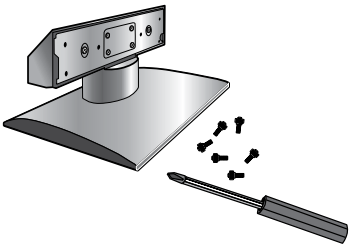
## Package Contents

Make sure all of the following contents are included.

☑ LCD TV




☑ Bottom Stand /
Screw Driver and 6 Screws



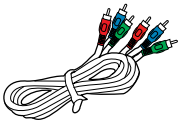
☑ Remote Control/
AA Batteries x 2



☑ VIDEO Cable



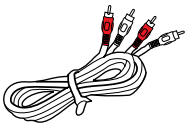
☑ Component Cable



☑ Power Cord



☑ AUDIO Cable



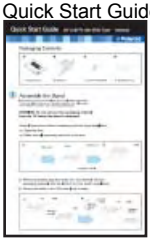
☑ Warranty Card



☑ User's Manual



☑ Quick Start Guide



These items are all you need to set up and operate the LCD TV in its basic configuration.

Make sure all of the above contents are included in the package. If you are missing any items, please contact the Polaroid customer service department.

# Setting Up Your LCD TV

## Attach the Stand

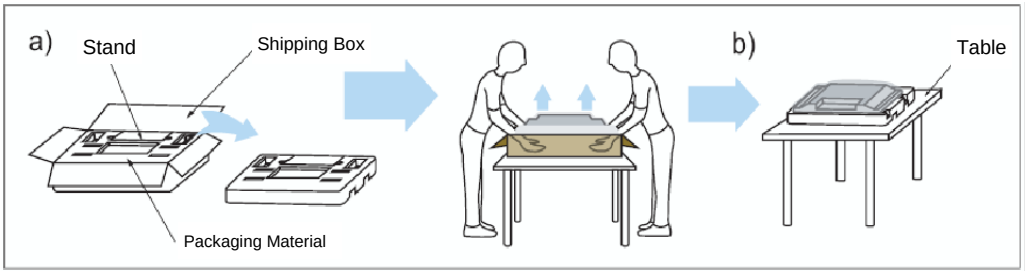
If you prefer to mount your new Polaroid TV on a wall instead of attaching it to the stand, please reference the instructions included in the wall mounting kit (not included).

**IMPORTANT: Attach the Stand to the TV with the bottom foam packaging material still attached.**

Read all instructions before continuing with the stand installation.

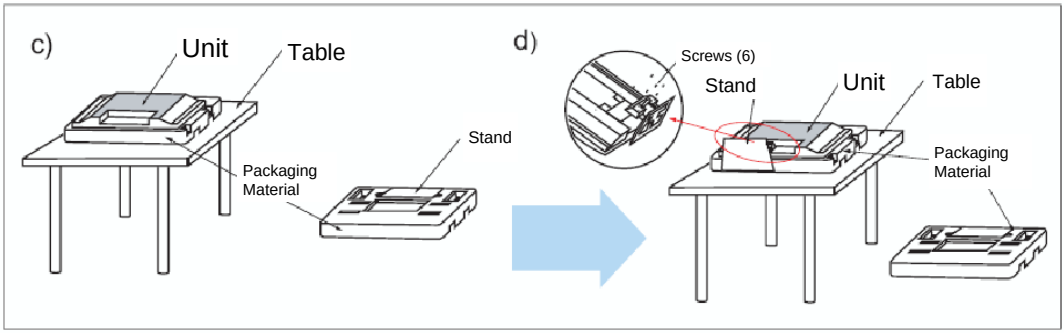
a) Lift foam packaging material from the top of the TV out of the box.

b) Lift TV out of box, with the bottom foam packaging material still attached, and place onto a stable surface.




c) Remove the protective bag from the LCD unit, but DO NOT remove the bottom foam packaging material.

d) Locate the place on the back of the TV to attach the stand. Secure the stand to the LCD with all six screws.

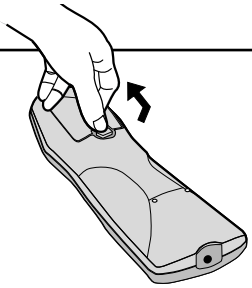


1. Use a supplied antenna cable to connect the VHF/UHF signal to the LCD TV's ANT. terminal (refer to page17).

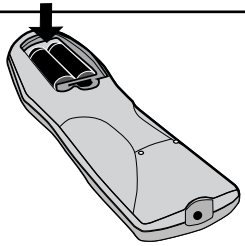
2. Connect the AC power cord at the back of the TV and connect the power cord to wall outlet.

3. Insert the 2 batteries supplied in remote control.

**Step1** Slide the back cover up to open the battery compartment of the remote control.



**Step2** Insert two AA size batteries. Make sure to match the (+) and ( - ) ends of the batteries with the (+) and ( - ) ends indicated in the battery compartment. Slide the cover back into place.

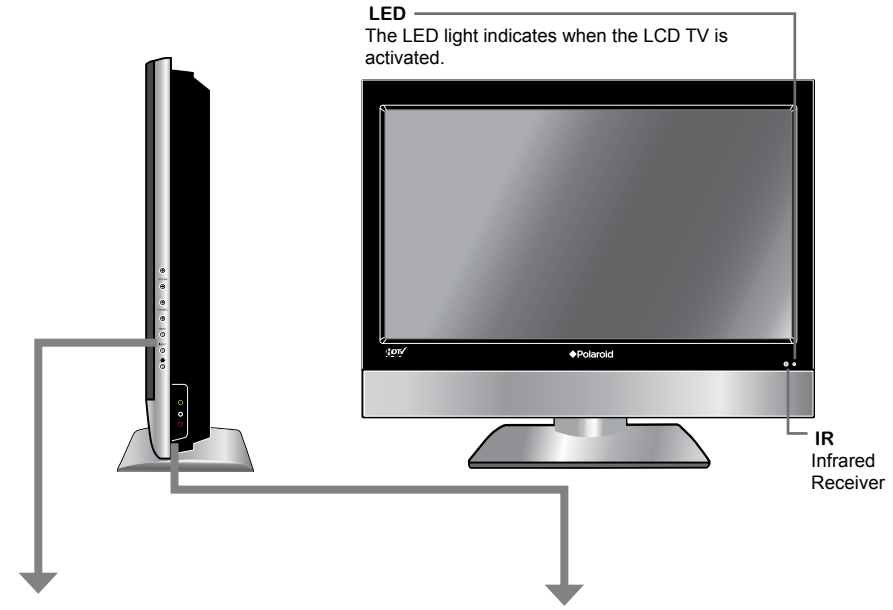


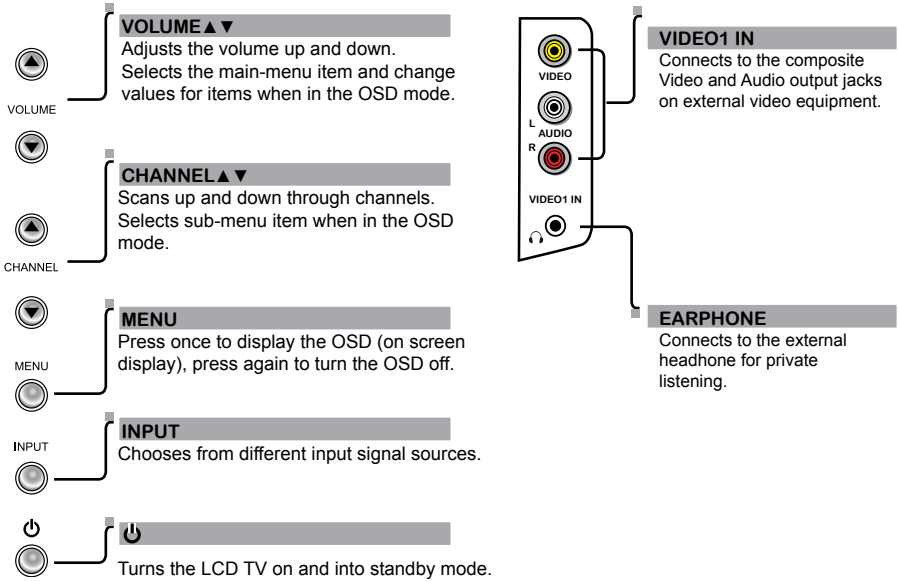
**Do not use caustic cleaners (porcelain, stainless steel, toilet, or oven cleaner etc.) on the remote, as it may suffer damage.**

4. Connect other an external A/V device (refer to page14-26).

# Your LCD TV

## Front/Right Side View and Controls




**VOLUME▲▼**
Adjusts the volume up and down.
Selects the main-menu item and change values for items when in the OSD mode.

**CHANNEL▲▼**
Scans up and down through channels.
Selects sub-menu item when in the OSD mode.

**MENU**
Press once to display the OSD (on screen display), press again to turn the OSD off.

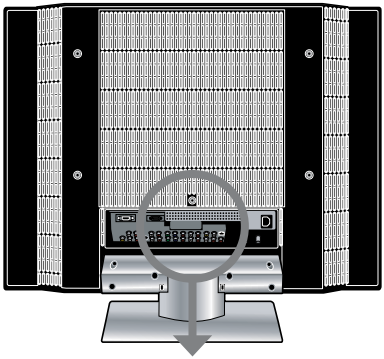
**INPUT**
Chooses from different input signal sources.

**⏻**
Turns the LCD TV on and into standby mode.

**VIDEO1 IN**
Connects to the composite Video and Audio output jacks on external video equipment.

**EARPHONE**
Connects to the external headphone for private listening.

## Rear View and Jacks

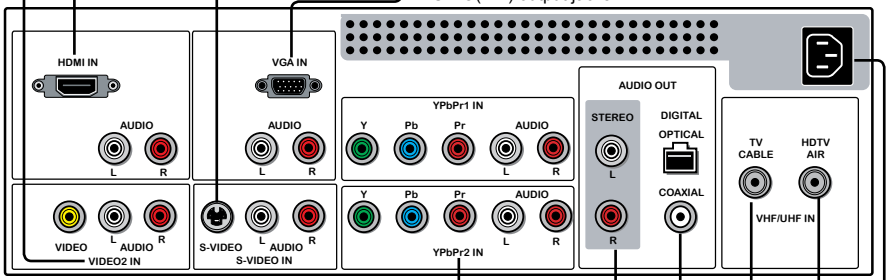


**VIDEO2 IN**
Connects to the composite VIDEO and AUDIO(L/R) output jacks on external video equipment.

**HDMI IN**
Connects the all digital AV equipment with HDMI connector.HDMI supports enhanced, high-definition video and two-channel digital audio. The AUDIO(L/R) of HDMI IN is for DVI connection.

**S-VIDEO IN**
Connects to the S-VIDEO and AUDIO(L/R) output jacks on external video equipment.

**VGA IN**
Connects the PC, or other AV equipment with VGA and AUDIO(L/R) output jacks.




**YPbPr1 IN/YPbPr2 IN**
Connects to the DVD player, Digital Set-Top-Box, or other AV equipment with component(YPbPr) video and audio output jacks.

**AUDIO OUT-STEREO**
Connects to the AUDIO(L/R) input jacks on AV equipment.

**AUDIO OUT-DIGITAL-OPTICAL/COAXIAL**
Connects to the OPTICAL AUDIO jack on the digital/standard 5.1 audio system.

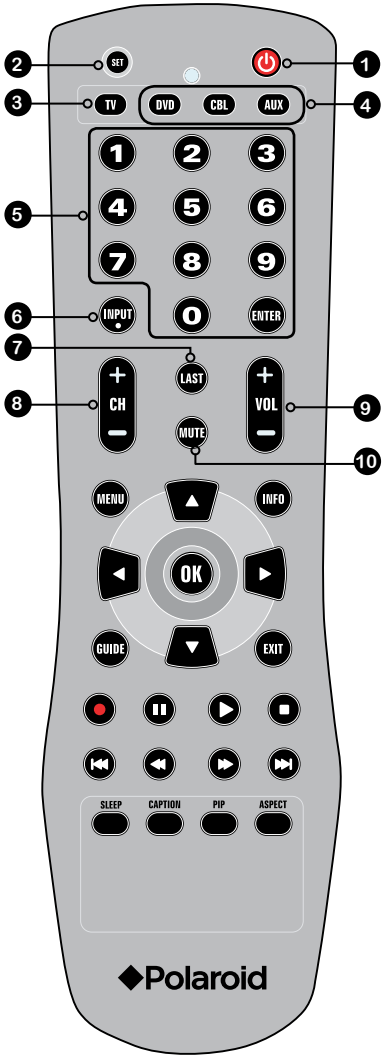
**VHF/UHF IN-TV-CABLE**
Connects RF input from VHF/UHF antenna or cable.

**VHF/UHF IN-HDTV-AIR**
Connects RF input from VHF/UHF antenna or cable to receive high/standard definition television.

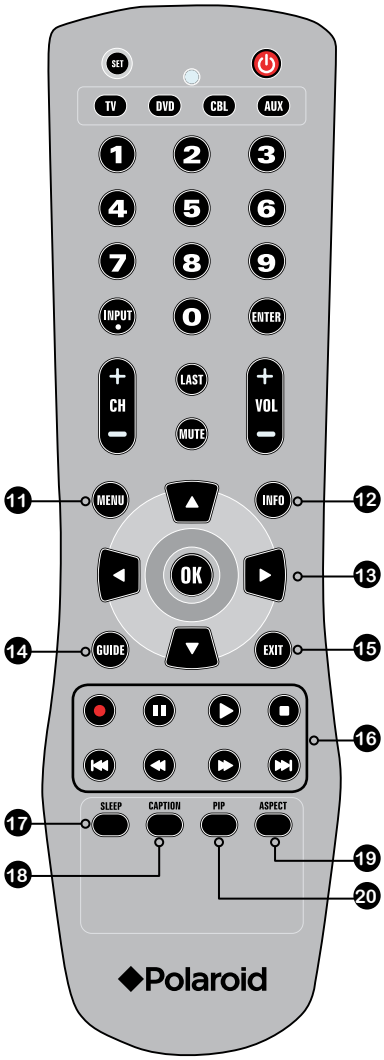
**AC IN**
Connects to the AC power cord.

## Your Remote Control

This package includes a Polaroid remote that enables control of up to four devices.
To select a device, simply select one of the following device mode controls: TV, CBL/SAT, DVD/VCR, or AUDIO.




| | | |
|---|---|---|
| 1 ⏻ | | Turns the LCD TV on and off. |
| 2 | **SET** | Remote control universa code setup.For more information on setting up your remote control, please see the “Programming Your Remote Control” section. |
| 3 | **TV** | Controls this LCD TV. |
| 4 | **DVD** | Controls DVD player or Video player. |
| | **CBL** | Controls Cable Converter or Satellite Receiver. |
| | **AUX** | Controls Audio Amplifier |
| 5 | **0-9/ENTER** | Pressing a number selects a channel. Following selection, pressing ENTER activates the channel, or channel activates automatically in 3 seconds. |
| 6 | **INPUT** | Pressing INPUT to display a source list, use ▲▼buttons to select the video equipment connected to the video inputs of your LCD TV: TV/HDTV/VIDEO1/ VIDEO2/VIDEO3/VIDEO4/VIDEO5/ VIDEO6/COMPUTER. |
| | ▪ | In HDTV mode, use with 0-9 and ENTER buttons to select a digital channels. |
| 7 | **LAST** | Returns to previously selected channel. |
| 8 | **CH+-** | Change channel up and down. |
| 9 | **VOL+-** | Increases and decreases volume. |
| 10 | **MUTE** | Pressing once mutes audio. Pressing again restores audio. |




| | | |
|---|---|---|
| 11 | **MENU** | Displays the OSD menu on the screen. |
| 12 | **INFO** | Pressing once displays a variety of information such as the current channel and the input source. |
| 13 | **▲▼►◄,OK** | Cycles through OSD options and selects individual menu items. OK confirms option settings. |
| | **OK** | In HDTV mode, pressing OK to display a digital channel list. |
| 14 | **GUIDE** | In HDTV mode, pressing GUIDE displays the Program Guide on the screen. |
| 15 | **EXIT** | Exits the OSD menu. |
| 16 | ● ⏸ ► ■ ⏮ ⏪ ⏩ ⏭ | Other device function keys |
| 17 | **SLEEP** | Cycles through the LCD TV sleep time: OFF/30/60/90/120 mins. |
| 18 | **CAPTION** | Cycles through the Closed Caption: OFF/CC1/CC2/CC3/CC4/TT1/TT2/TT3/TT4. |
| 19 | **ASPECT** | Cycles through Wide mode settings: NORMAL/FULL/WIDE/ZOOM. |
| 20 | **PIP** | Turns PIP/POP on and off. |

**Effective range:**
**The remote can control the LCD TV from up to 5m away, if pointed directly at the receiver.**

# Chapter 2
# Installing the LCD TV

Refer to the owner's manual of any external equipment to be connected.
When connecting any external equipment, do not connect any AC power cords to wall outlets until all other connections are completed.

## Connecting a TV Cable or an Antenna

### Antenna Connection

The antenna requirements for good color TV reception are more important than those for a black & white TV reception. For this reason, a good quality outdoor antenna is strongly recommended.
The following is a brief explanation of the type of connection that is provided with the various antenna systems.

- **A 75-ohm system is generally a round cable (not included) with F-type connector that can easily be attached to a terminal without tools.**

**F-type connector**



**75-ohm coaxial cable (round)**

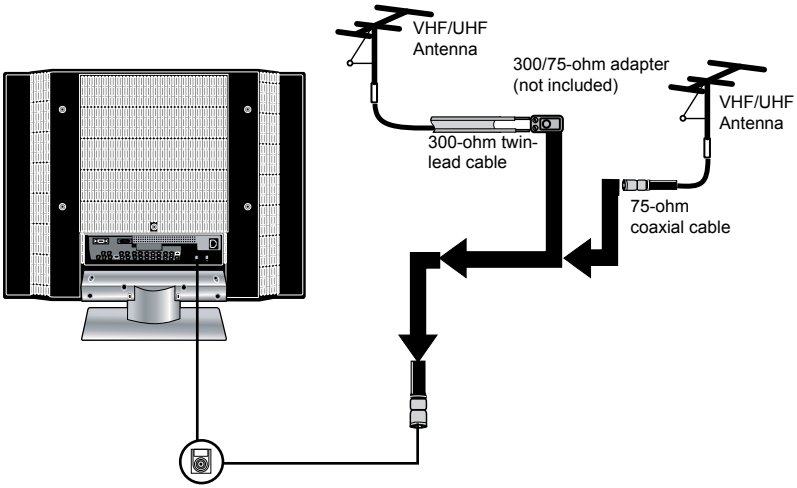
- **A 300-ohm system is a flat twin-lead cable (not included) that can be attached to a 75-ohm terminal through a 300-75-ohm adapter (not included).**



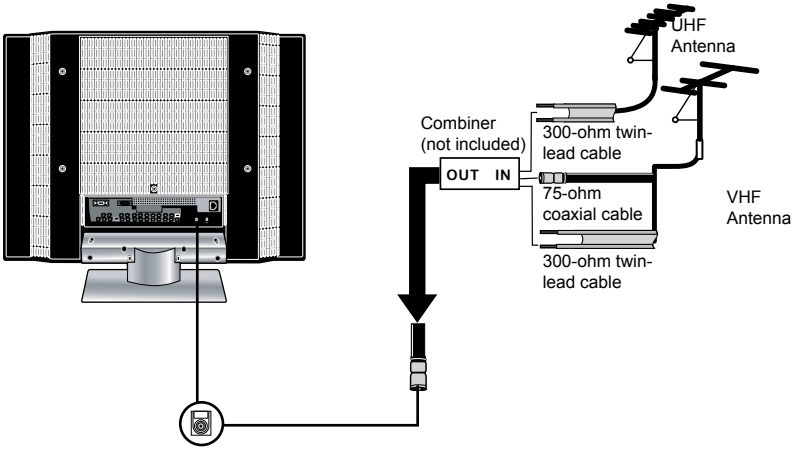
**300-ohm twin-lead cable (flat)**

Use one of the following two diagrams when connecting an outdoor antenna.
A: Shows how to use a VHF/UHF combination outdoor antenna.
B: Shows how to use a separate VHF and/or UHF outdoor antenna.

**A. Combination VHF/UHF antenna**




**B. Separate VHF and/or UHF antennas**

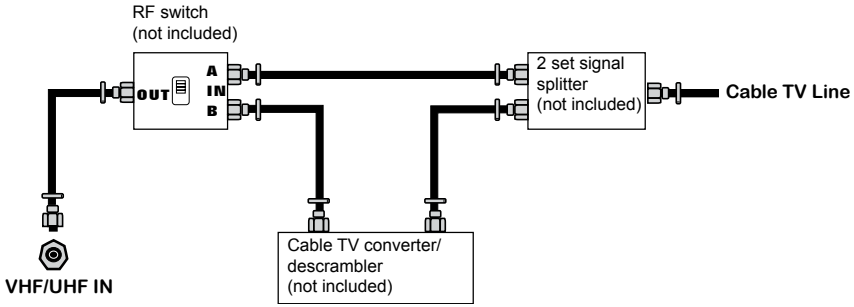


## Cable TV (CATV) Connection

This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electrical Code (NEC) that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building accurately, or as close to the point of cable entry as possible. Use of this TV for other than private viewing of programs broadcasted on UHF, VHF or transmitted by cable companies for the use of the general public may require authorization from the broadcast/cable company, and/or program owner.

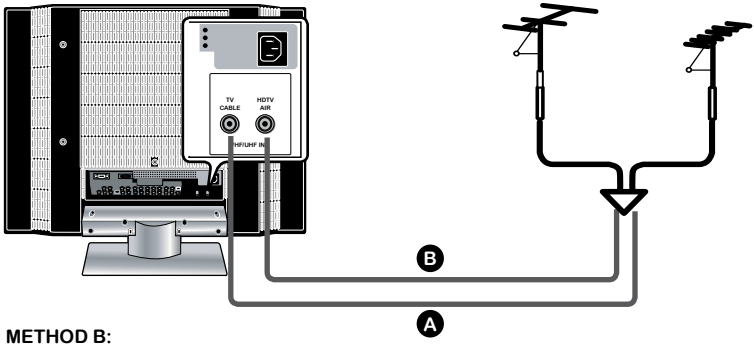
- **A 75-ohm coaxial cable connector is built into the set for easy hookup. When connecting the 75-ohm coaxial cable to the set, connect the 75-ohm cable into the ANT. terminal.**
- **Some cable TV companies offer premium pay channels. Since the signals of these premium pay channels are scrambled, a cable TV converter/descrambler is generally provided to the subscriber by the cable TV company.**

This converter/descrambler is necessary for normal viewing of scrambled channels.
(Set your TV to channel 3 or 4, typically one of these channels is used. If this is unknown, consult your cable TV company.)
For more specific instructions on installing cable TV, consult your cable TV company.
One possible method of connecting the coverter/descrambler provided by your cable TV company is shown in the diagram below.



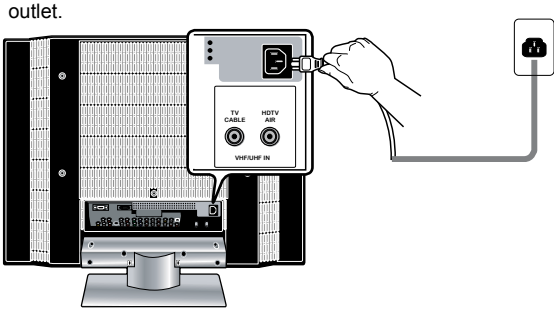

- **The RF switch (not included) is required to provide two inputs (A and B). Setting the RF switch to position A allows viewing of all unscrambled channels by using the TV channel keys.**
- **Setting the RF switch to position B allows viewing of all scrambled channels via the converter/descrambler by using the converter channel keys.**

**METHOD A:**
Use a supplied antenna cable to connect the NTSC signal to the LCD TV's TV CABLE terminal.




**METHOD B:**
Use a supplied antenna cable to connect the ATSC signal to the LCD TV's HDTV AIR terminal.

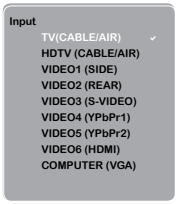
Connect the AC power cord at the back of the TV and connect the power cord to wall outlet.



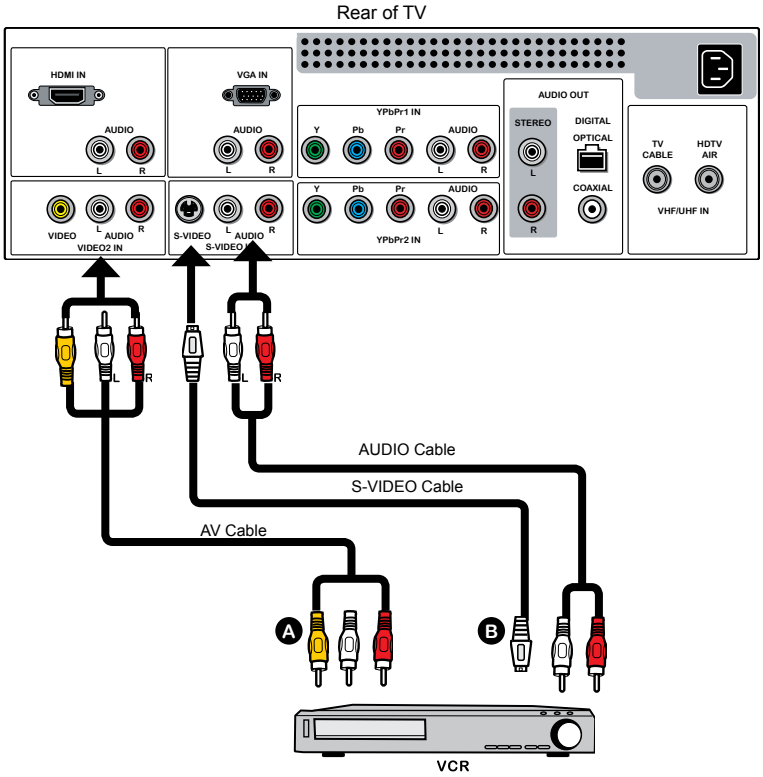

Press the ⏻ button on the remote to turn on the LCD TV.

**Always disconnect the LCD TV from the main voltage when the LCD TV will not be used for a long period of time. The POWER button on the front panel is only used for switching the LCD TV into standby, it does not disconnect the device from the main voltage. To completely disconnect the main voltage, please remove the power plug from the socket.**

Press the **Input** button on the remote to display the Input List. Use the ▲► buttons to select **TV**( METHOD A), or **HDTV** (METHOD B), and press the **OK** button.



## Connecting a VCR




1. **METHOD A:**

   Use a composite cable to connect the VCR's composite video/audio jacks to the LCD TV's VIDEO2 IN jacks.

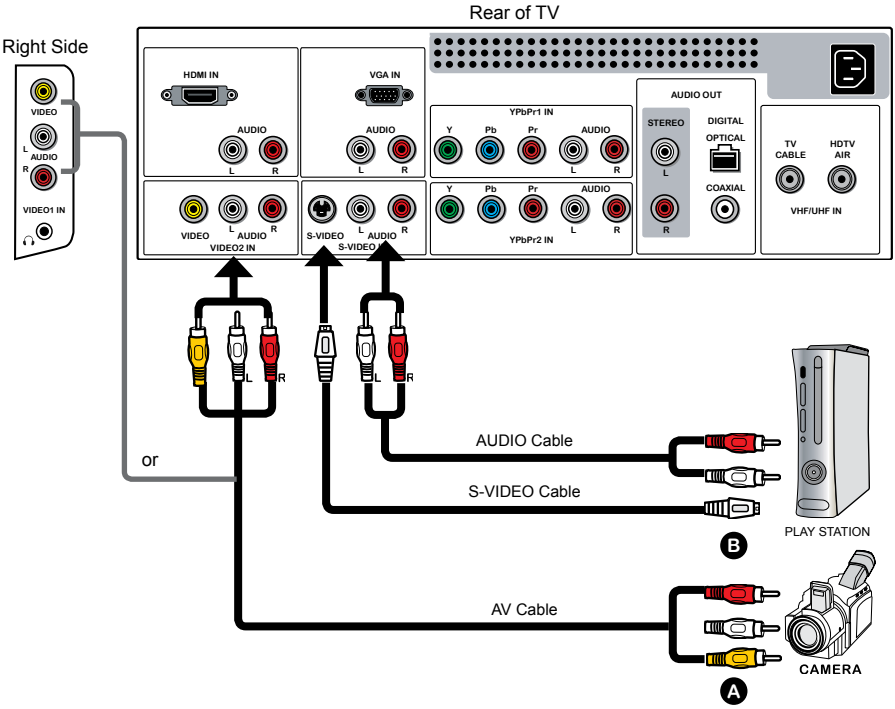
   **METHOD B:**
   Use an audio cable to connect the VCR's audio output jacks to the LCD TV's audio inputs. Use a S-Video cable to connect the VCR's s-video output jack to the LCD TV's S-VIDEO IN input jack.

2. Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.

3. Press the ⏻ button on the remote to turn on the LCD TV.

4. To watch a videotape, press the **Input** button on the remote to select **VIDEO2**( METHOD A), or **VIDEO3** (METHOD B).

## Connecting a Video Camera or Play Station




❶ **METHOD A:**

Use a composite cable to connect the video camera's or play station's composite video/ audio jacks to the LCD TV's VIDEO2 IN jacks or VIDEO1 IN jacks.

**METHOD B:**

Use an audio cable to connect the video camera's or play station's audio output jacks to the LCD TV's audio inputs. Use a S-Video cable to connect the video camera's or play station's s-video output jack to the LCD TV's S-VIDEO IN input jack.

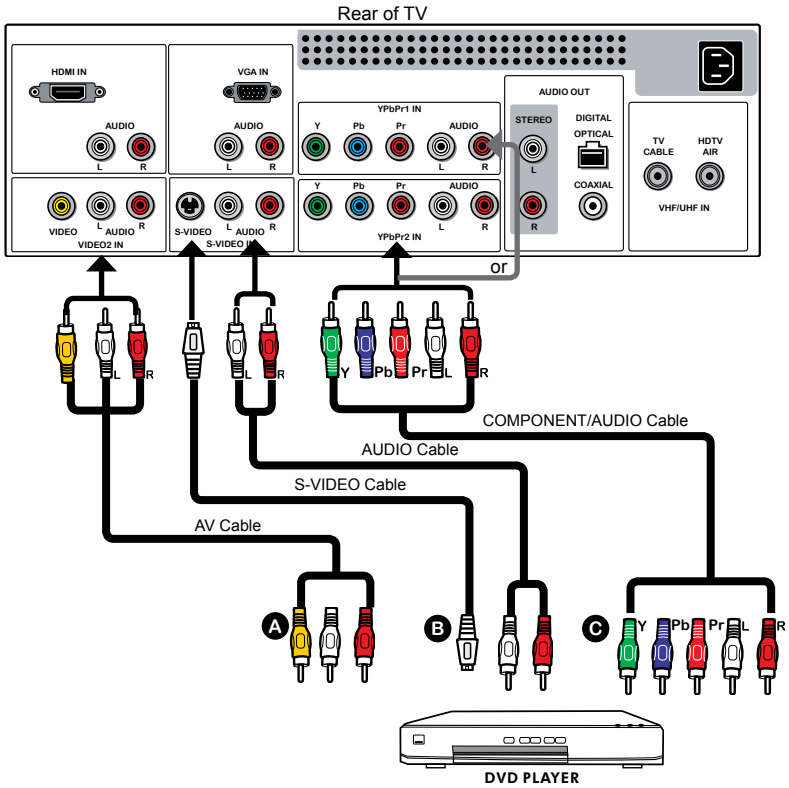
❷ Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.

❸ Press the ⏻ button on the remote to turn on the LCD TV.

❹ To watch a video vis camera or play station, press the **Input** button on the remote to select **VIDEO2/VIDEO1**( METHOD A), or **VIDEO3** (METHOD B).

**Not all cameras have the ability to connect to a TV. Please check your video camera user guide for compatibility.**

## Connecting a DVD Player




❶

**METHOD A:**
Use a composite cable to connect the DVD player's composite video/audio jacks to the LCD TV's VIDEO2 IN jacks.

**METHOD B:**

Use an audio cable to connect the DVD player's audio output jacks to the LCD TV's audio inputs. Use a S-Video cable to connect the DVD player's s-video output jack to the LCD TV's S-VIDEO IN input jack.

**METHOD C:**
Use a component cable to connect the DVD player's component output jacks to the LCD TV's YPbPr1 IN or YPbPr2 IN input jacks.
Use an audio cable to connect the DVD player's component audio jacks to the LCD TV's audio input jacks.

**The component video jacks on your DVD player are sometimes labeled YPbPr, or YCbCr. For an explanation of component video, see your DVD player's user guide.**

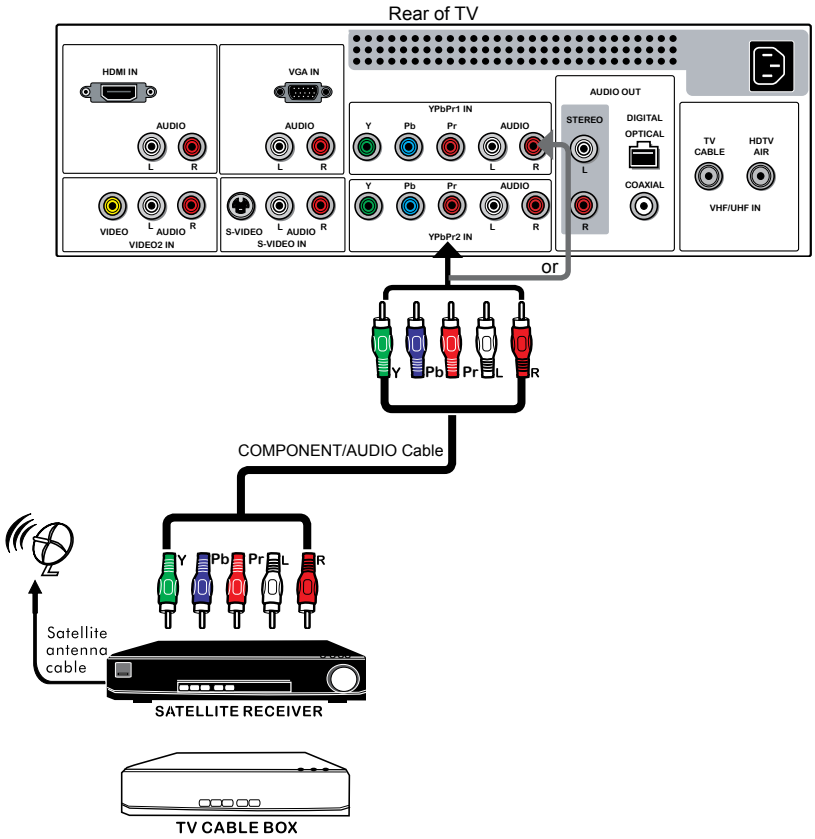
2. Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.

3. Press the ⏻ button on the remote to turn on the LCD TV.

4. To watch a DVD, press the **Input** button on the remote to select **VIDEO2**( METHOD A), or **VIDEO3** ( METHOD B), or **VIDEO4/VIDEO5** (METHOD C).

**For best picture quality, if your equipment has component video output, use a component cable instead of a composite video or S-video cable.**

## Connecting a Digital TV Cable Box or Digital Satellite Receiver



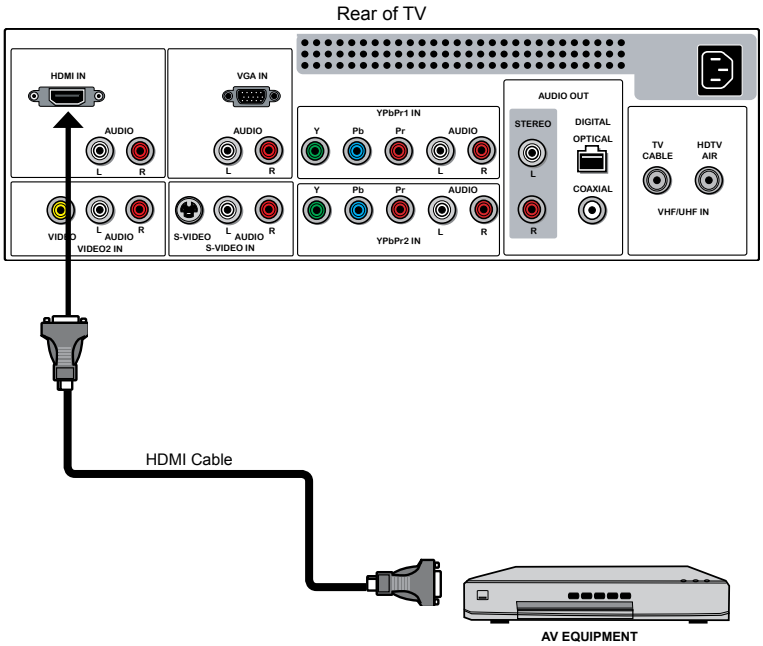

1. Use a component cable to connect the satellite receiver's/TV Cable Box's component (YPbPr1) output jacks to the LCD TV's component input jacks.
   Use an audio cable to connect the satellite receiver's/TV Cable Box's component audio jacks to the LCD TV's audio input jacks.

2. Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.

3. Press the ⏻ button on the remote to turn on the LCD TV.

4. To watch programs via satellite receiver or TV Cable Box, press the **Input** button on the remote to select **VIDEO4/VIDEO5**.

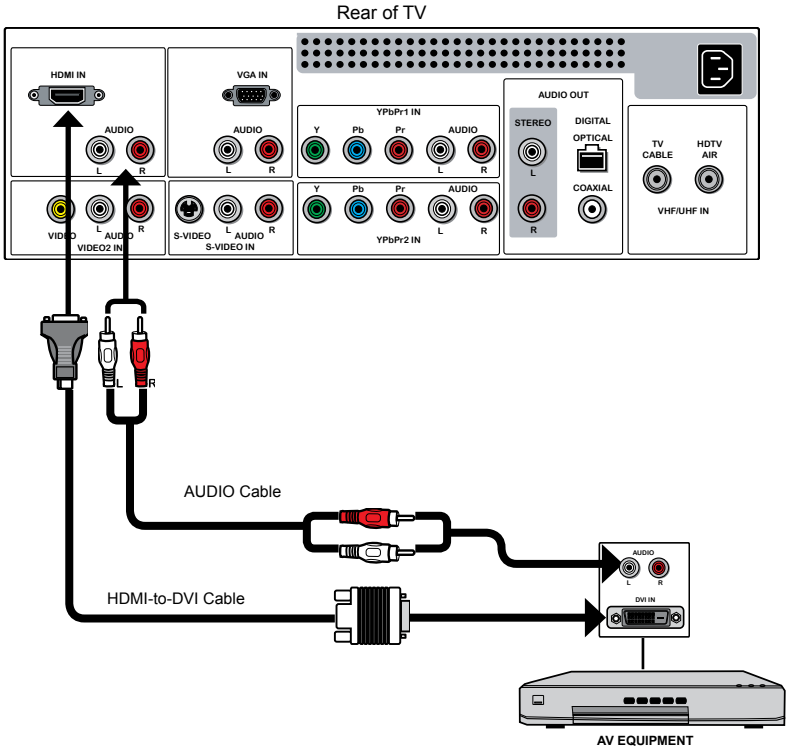
## Connecting an AV Equipment with HDMI Connector




1. Use a HDMI cable to connect the AV equipment's HDMI output jack to the LCD TV's HDMI IN jacks.
2. Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.
3. Press the ⏻ button on the remote to turn on the LCD TV.
4. Press the **Input** button on the remote to select **VIDEO6**.

**The HDMI connector provides both video and audio signals, it's not necessary to connect the audio cable.**

## Connecting an AV Equipment with DVI Connector




1. Use a HDMI-to-DVI cable to connect the AV equipment's DVI output jack to the LCD TV's HDMI IN jacks.
   Use an audio cable to connect the AV equipment's audio output jacks to LCD TV's HDMI AUDIO jacks.

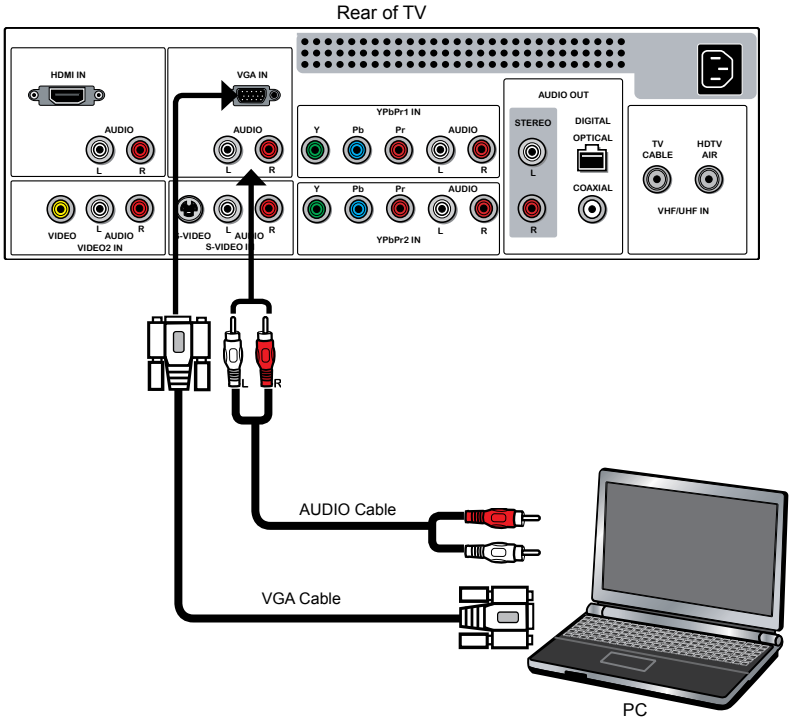
2. Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.

3. Press the ⏻ button on the remote to turn on the LCD TV.

4. Press the **Input** button on the remote to select **VIDEO6**.

**If the LCD TV is connected to AV equipment's DVI connector, you will need an HDMI-to-DVI cable or an HDMI adapter(not suplied).**

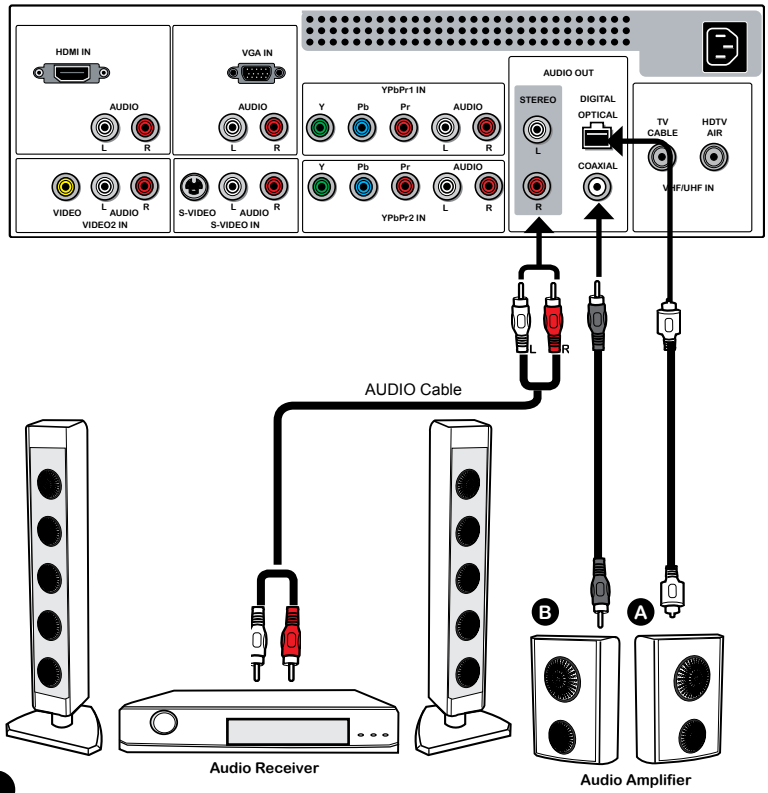
## Connecting a PC




1. Use a D-SUB cable to connect the PC's D-SUB output jack to the LCD TV's VGA input jack. Use an audio cable to connect the PC's audio output jacks to LCD TV's.
2. Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.
3. Press the ⏻ button on the remote to turn on the LCD TV.
4. Press the **Input** button on the remote to select **COMPUTER**.

## Connecting an Audio Receiver or a Dolby Digital 5.1 Sound System

For better sound quality, you may want to play the LCD TV audio through your stereo system.




1. **Connecting to Audio Receiver:**
   Use an audio cable to connect the audio receiver's audio LINE IN jacks to LCD TV's AUDIO OUT jacks.

2. **Connecting to Digital 5.1 Sound System:**
   **METHOD A:**
   Use an optical cable to connect the audio amplifier's OPTICAL IN jacks to LCD TV's OPTICAL OUT jacks.

   **METHOD B:**
   Use a coaxial cable to connect the audio amplifier's COAXIAL IN jacks to LCD TV's COAXIAL OUT jacks.
   Note: Above mentioned function is only available under HDTV (cable/air) mode.

3. Connect all AC power sources, before turning on the power switch of the LCD TV or other connected equipment.

4. Press the ⏻ button on the remote to turn on the LCD TV.

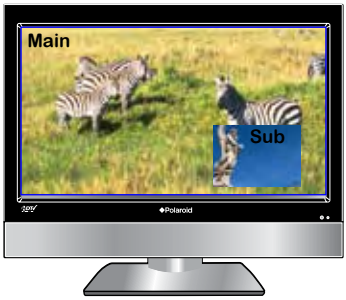
# Chapter 3
# USING THE FEATURES



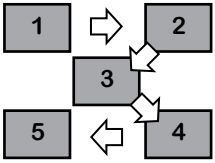
## Using Picture-In-Picture

The PIP/POP feature allows simultaneous viewing of video from two sources (TV, VCR, DVD etc). Only one source's audio is played at a time; the user may select which source's audio is heard.

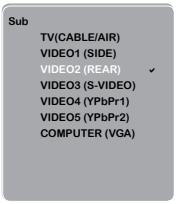
❶ Press the **PIP** button once to enter picture in picture mode.




- Press ◄ ► to toggle the audio source between the main window and the sub window.
- Press the **OK** button to change the position of the second window.

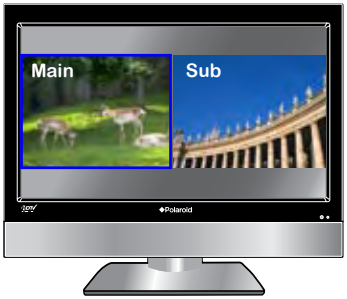



- Press ◄ ► to activate either the main or sub window, then press the **Input** button to display the Input List:




- Press ▲▼ to change input source and press the **OK** button.

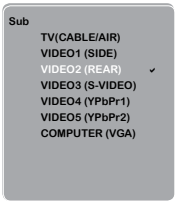
❷ Press the **PIP** button again to view images side by side.




- Press ◄ ► to toggle the audio source between the main window and the sub window.
- Press the **OK** button to swap the pictures between the main and sub windows.




- Press ◄ ► to activate either the main or sub window, then press the **Input** button to display the Input List:




Press ▲▼ to change input source and press the **OK** button.

❸ Press the **PIP** button again to exit.

## Wide Screen Viewing

Wide Screen function allows viewing of 4:3/16:9 images in wide screen mode, cycling through the following wide screen settings. Press the **ASPECT** button repeatedly to select the screen format you want.

❶ **NORMAL**

Displays at 4:3 aspect ratio.



❷ **FULL**

Stretches the image vertically and horizontally to keeps the image size consistent in the center of the screen and stretches the sides



❸ **WIDE**

Stretches the image vertically and horizontally to fill the screen at 1:1.85 aspect ratio.



❹ **ZOOM**

Stretches the image vertically and horizontally to fill the screen at 1:2.35 aspect ratio.



# Operating the Menu

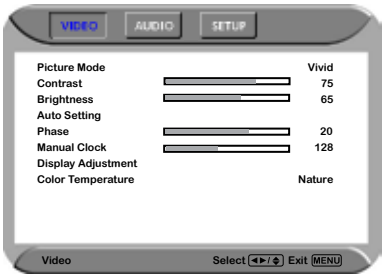
1. Press the ⏻ button to turn the LCD TV on.

2. Press the **MENU** button on the remote control,the on-screen menu will appear on the screen. Use the ◄► buttons to select your main menu option.

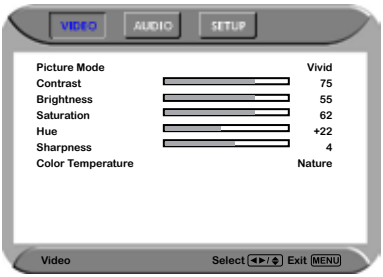
## VIDEO MENU:

Allows you to make adjustments to your picture settings.

- If the signal source is VGA, the VIDEO MENU appears as:



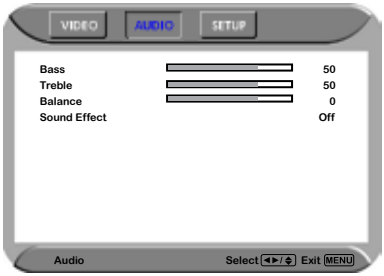

- If the signal source is TV/HDTV/VIDOE/SVIDEO/ YPbPr/HDMI, the VIDEO MENU appears as:



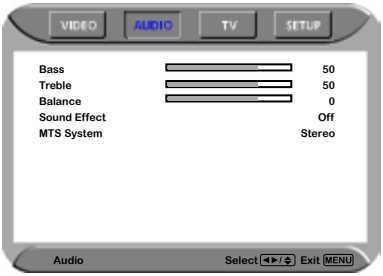

## AUDIO MENU:

Allows you to customize the audio options and effects.

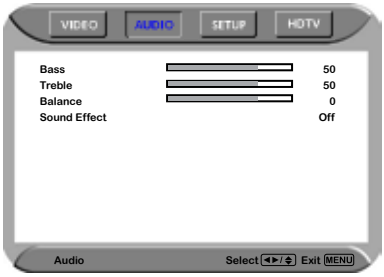
- If the signal source is VIDOE/SVIDEO/YPbPr/ HDMI/VGA, the AUDIO MENU appears as:




- If the signal source is TV, the AUDIO MENU appears as:

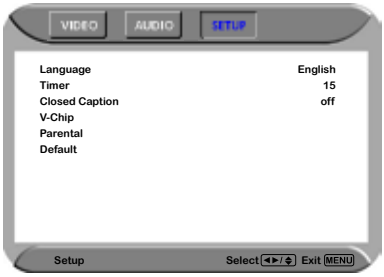



- If the signal source is HDTV, the AUDIO MENU appears as:



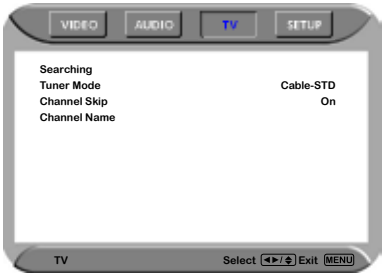
## SETUP MENU:

Allows you to set up a variety of features: Language, Closed Caption, factory reset, V-Chip, Parental Control sleep timer.




## TV MENU:

Allows you to edit and label channels.




## HDTV MENU:

Allows you to set up the HDTV program function.




❸ Use the ▲▼ buttons to select an option of the sub-menu, and press the **OK** button. While in adjustment mode, and use the ◄► buttons to change the value of the item.

❹ Press the **MENU** button to exit the menu.

## Setting up the HDTV Function

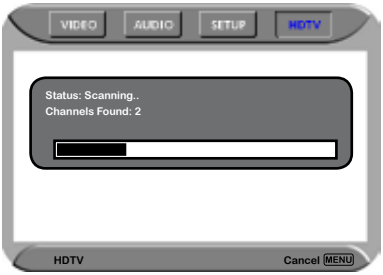
Automatically scans and stores all the TV channels

1. With the LCD TV connected to a television programming source, press the **TV** button on the remote control.

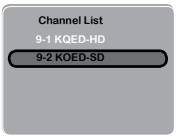
2. Press the **MENU** button on the remote control to display the Main menu, and use the ◄► buttons to select the **HDTV**.




3. Press the ▼ button to select **Auto Scan**, and press the **OK** button. The **Auto Scan** automatically creates a list of receivable channels. Press the **MENU** button at any time to interrupt the memorization process.(the list cannot be created if interrupted)



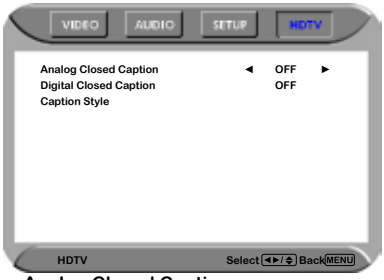

4. Press the **OK** button to display the received channel list, then press ▲▼the buttons to select a channel. Or, use the ▪ (**Input** button) with **0-9** buttons to select digital channel( for example 9.1)



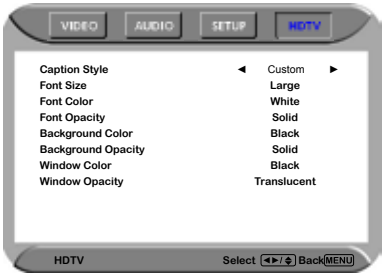

**The digital main channel might include many subchannels (for example 9-1, 9-2..) that are showing program at the same time.**

5 The **HDTV** menu includes the following options:

| | |
|---|---|
| **Audio Language** | Allows to select the audio language: English/Spanish/French. |
| **Time Zone** | Allows selection of regional TV systems of USA: Eastern Time/Indiana/ Central time/Mountain Time/Arizona/Pacific Time/Alaska/Hawaii |
| **SPDIF Type** | Allows to selection of the digital sound format: PCM/OFF/Dolby Digital |
| **Auto Scan** | Automatically sets up channel list on TV for all receivable channels. |
| **Manual Scan** | Allows to set up TV channel manually. |
| **Channel Skip** | Allows addition/removal of digital channels. |
| **Channel Block** | Allows to block digital channels. Use the **Channel Block** function, must enter a four-digit password. The factory password is 0000. |
| **Caption** | Allows to set closed caption: |




- **Analog Closed Caption**:
  Allows to set basic analog closed caption options:OFF/CC1/CC2/CC3/CC4
- **Digital Closed Caption:**
  Allows to set digital closed caption options:Service1/Service2/Service3/ Service4/Service5/Service6/OFF
- **Caption Style:**
  Allows to customize the settings for digital closed caption option:

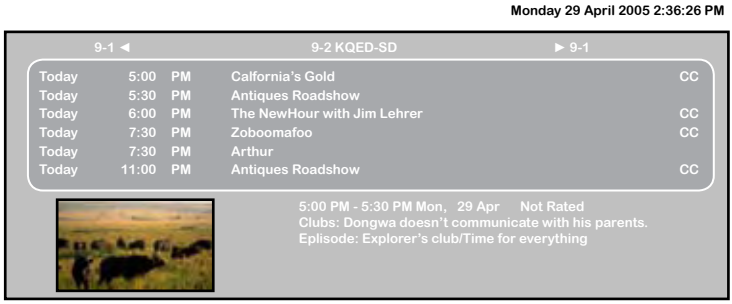


## Using the Program Guide

The Program Guide feature brings all sorts of information provided by the cable TV company to your screen, such as program title, program duration, time remaining, rating information, closed caption, availability, etc.

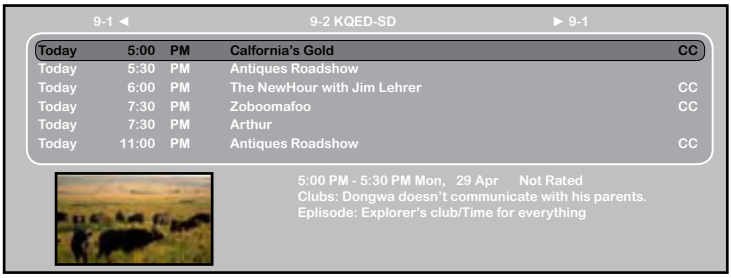
1. With the LCD TV connected to a television programming source, press the **TV** button on the remote control.

2. Press the **GUIDE** button on the remote control, the Program Guide will appear on the screen:




9 - 2 KOED-SD

3. Press the ▲▼ button to select the program from a list, the Program Guide provides introduction about the current program being shown on each channel.




9 - 2 KOED-SD

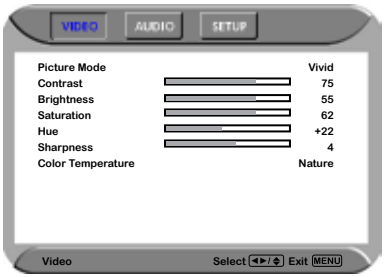
4. Press the **GUIDE** button again on the remote control to exit the Program Guide

## Customizing the VIDEO Settings

1. Press the ⏻ button to turn the LCD TV on.

2. Press the **MENU** button on the remote control to display the Main menu, and use the ◄► buttons to select the **VIDEO**.

3. Use the ▲▼buttons to highlight an individual VIDEO option, use the ◄► buttons to change the setting, and press the **MENU** to exit the menu




4. The **VIDEO** menu includes the following options:

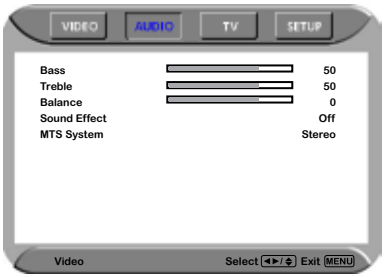
| | |
|---|---|
| **Picture Mode** | Cycles among display types: Vivid/Hi-Bright/Cinema/Sport/User |
| **Contrast** | Controls the difference between the brightest and darkest regions of the picture. |
| **Brightness** | Controls the overall brightness of the picture. |
| **Saturation** | Controls the color intensity. |
| **Hue** | Controls the difference between the green and red regions of the picture. |
| **Sharpness** | Increase this setting to see crisp edges in the picture; decrease it for soft edges. |
| **Color temperature** | Adjusts color components independently to achieve a warm or cool effect: Cool/Middle/Warm/User<br>▪ **Warm:** Increases red tint<br>▪ **Nature:** Increases natural tint<br>▪ **Cool:** Increases blue tint<br>▪ **User:** Allows the user to adjust red, green and blue color component levels independently. |

## Customizing the AUDIO Settings

1. Press the ⏻ button to turn the LCD TV on.

2. Press the **MENU** button on the remote control to display the Main menu, and use the ◄► buttons to select the **AUDIO**.

3. Use the ▲▼buttons to highlight an individual AUDIO option, use the ◄► buttons to change the setting, and press the **MENU to** exit the menu




4. The **AUDIO** menu includes the following options:

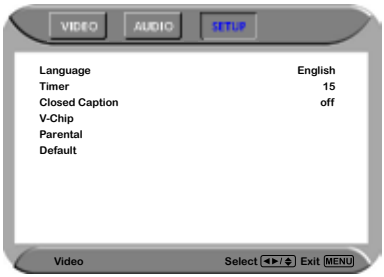
| | |
|---|---|
| **Bass** | Controls the relative intensity of lower-pitched sounds. |
| **Treble** | Controls the relative intensity of higher pitched sounds. |
| **Balance** | Adjusts the relative volume of the speakers in a multiple speaker system. |
| **Sound Effect** | Allows selection of an audio-enhancement technique from among the following options: Surround/Live/Dance/Techno/Classic/Soft/Rock/POP/ Off. |
| **MTS System** | Allows you to listen to high-fidelity stereo sound while watching TV.<br>▪ **Stereo**:<br>Use separate audio tracks for left and right speakers, if available.<br>▪ **SAP**:<br>You can enjoy a second audio program from the speakers while watching a scene in the original program.<br>▪ **Mono**:<br>Allows mono output (useful when stereo is noisy or inconsistent). |

## Customizing the SETUP Settings

1. Press the ⏻ button to turn the LCD TV on.

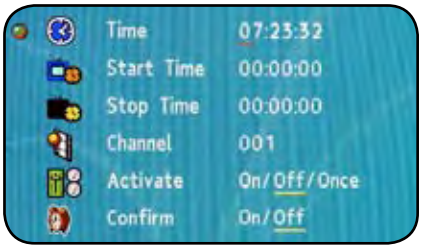
2. Press the **MENU** button on the remote control to display the Main menu, and use the ◄► buttons to select the **SETUP**.

3. Use the ▲▼buttons to highlight an individual SETUP option, use the ◄► buttons to change the setting, and press the **MENU to** exit the menu.




4. The **SETUP** menu includes the following options:

| | |
|---|---|
| **Language** | Selects to display all on-screen menus in your language of choice: English/Trandition Chinese/Simplified Chinese/French/Spanish. |
| **Timer** | Allows to set up clock and to program the TV to turn on and off and tune to a specific channel. |



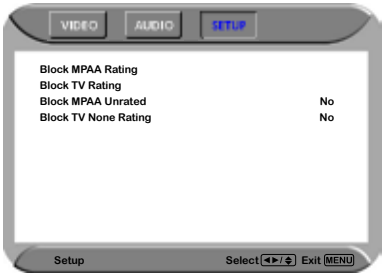

- **Time:**
  Selects to set the current time by hour, minute, second.
- **Start Time:**
  Selects to set the time that you want the TV to turn on.
- **Stop Time:**
  Selects to set the time that you want the TV to turn off.
- **Channel:**
  Selects to set the specific channel that you want the TV to tune.
- **Activate:**
  Selects to turn on/off/once the timer.
- **Confirm:**
  Selects to confirm.

| | |
|---|---|
| **Closed Caption** | Allows to select from 4 closed caption modes:<br>▪ **CC1 /CC2 /CC3 /CC4:**<br>Display a printed version of the dialog and sound effects of the program being viewed.<br>▪ **T1/T2:**<br>Display station information presented using either half or the whole screen.<br>▪ **T3/T4:**<br>Extended Data Services. For example: Network name, program name, program length, etc. |
| **V-Chip** | Allows to setup the TV and MPAA Rating Lock options(refer to “Using the V-CHIP Setting”). |
| **Parental** | Allows to setup the Parental Lock options. |
| **Default** | Restores factory settings. |

## Using the V-CHIP Settings

The US has 2 rating system for viewing content: Movie blocking(MPAA) and TV Blocking.
The TV Blocking conjuncts with the V-CHIP to help parents block inappropriate programs from their children.
The Movie blocking(MPAA) is used for original movies rated by the Motion Picture Association of America(MPAA) as broadcasted on cable TV and not edited for television.
The V-CHIP can also be set to block MPAA-rated movies.

❶ Use the ▼ button to select the **V-Chip**, and press the **OK** to display the V-Chip menu.




❷ Use the **V-CHIP** function, must enter a four-digit password. The factory password is 0000.




❸ The **MPAA** includes the following options:

| RATING | DESCRIPTION |
|---|---|
| **G** | General Audiences. Movie is appropriate for all ages. |
| **PG** | Parental Guidance Suggested. May contain material not suited for younger viewers |
| **PG-13** | Contains content that may not be appropriate for viewers under the age of 13. |
| **R** | Restricted. Contains adult content, no one under 17 admitted without parent. |
| **NC-17** | No one 17 and under admitted. |
| **X** | No one 17 and under admitted. |

Use the ▲▼ buttons to select the rating you want and press the **OK** button repeatedly to select **BLOCK(✓)** or **UNBLOCK(✕)**.

**4**

The **TV GUIDELINE** has 2 rating methods: Content-Based Rating and Age-Based Rating.
The **TV GUIDELINE** includes the following options:

| AGE-BASED | |
|---|---|
| **RATING** | **DESCRIPTION** |
| **TV-Y** | All children |
| **TV-Y7** | Directed to children age 7 and older |
| **TV-G** | General Audience |
| **TV-PG** | Parental Guidance suggested |
| **TV-14** | Parents strongly cautioned |
| **TV-MA** | Mature Audience only |

| CONTENT-BASED | |
|---|---|
| **RATING** | **DESCRIPTION** |
| **FV** | Fantasy violence |
| **D** | Suggestive dialogue |
| **L** | Strong language |
| **S** | Sexual situations |
| **V** | Violence |

| | | CONTENT-BASED | | | | |
|---|---|---|---|---|---|---|
| | | **FV** | **D** | **L** | **S** | **V** |
| **AGE-BASED** | **TV-Y** | | | | | |
| | **TV-Y7** | ✔ | | | | |
| | **TV-G** | | | | | |
| | **TV-PG** | | ✔ | ✔ | ✔ | ✔ |
| | **TV-14** | | ✔ | ✔ | ✔ | ✔ |
| | **TV-MA** | | | ✔ | ✔ | ✔ |

✔ : To block programs by both content and age.

Use the ▲▼ buttons to select the rating you want and press the **OK** button repeatedly to select **BLOCK(✔)** or **UNBLOCK(✕)**.

**5**

The **V-CHIP** menu includes the following options:

| | |
|---|---|
| **Block MPAA Rating** | Selects to activate the MPAA Rating programs |
| **Block TV Rating** | Selects to activate the TV Rating programs. |
| **Block MPAA Unrated** | ▪ YES:<br>Block all movies that are broadcast without a MPAA rating.<br>▪ NO:<br>Allows all movies that are broadcast without a MPAA rating |
| **Block TV None Rating** | ▪ YES:<br>Block all movies that are broadcast without a TV rating.<br>▪ NO:<br>Allows all movies that are broadcast without a TV rating. |

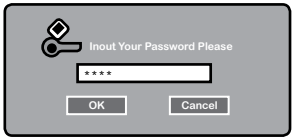
## Using the Parental Settings

The Parental blocking can be set up to the TV to block a Channel or a Video Source.

❶ Use the ▼ button to select the **Parental**, and press the **OK** to display the Parental menu.




❷ Use the **V-CHIP** function, must enter a four-digit password. The factory password is 0000.




**You need your password for any future access into the V-Chip and Parental Setting,**

❸ The **Parental** menu includes the following options:

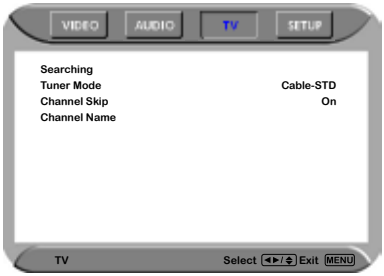
| | |
|---|---|
| **Channel Lock** | Selects to block a TV channel. |
| **Video Lock** | Selects to block a Input source signal. |
| **Change Password** | Selects to change your password. |

## Customizing the TV Settings

1. Press the ⏻ button to turn the LCD TV on.

2. Press the **MENU** button on the remote control to display the Main menu, and use the ◄► buttons to select the **TV**.

3. Use the ▲▼buttons to highlight an individual TV option, use the ◄► buttons changes the setting, and press the **MENU** exits the menu.




4. The **TV** menu includes the following options:

| | |
|---|---|
| **Searching** | Automatically sets up channel list on TV for all receivable channels. |
| **Tuner Mode** | Allows selection between CATV cable and antenna signal sources:<br>▪ **ANTENNA**<br>Choose this setting if you are receiving TV channels with an antenna cable.<br>▪ **CABLE STD/CABLE IRC/CABLE HRC**<br>Choose this setting if you are receiving TV channels with a CATV cable. |
| **Channel Skip** | Allows addition/removal of channels on the channel list. |
| **Channel Name** | Allows channel labels to be edited. |

# SPECIFICATIONS

| MODEL | | FLM-2632/FLM-263B | FLM-3232/FLM-323B |
|---|---|---|---|
| LCD Panel | Panel Size | 26” TFT LCD | 32” TFT LCD |
| | Brightness | 550 | 500 |
| | Contrast Ratio | 1000:1 | 800:1 |
| Max. Resolution | | 1366x768 | 1366x768 |
| Input Connector | VIDEO/AUDIO(L/R) | 2 | 2 |
| | S-VIDEO/AUDIO(L/R) | 1 | 1 |
| | YPbPr/AUDIO(L/R) | 2 | 2 |
| | VGA/AUDIO(L/R) | 1 | 1 |
| | HDMI/AUDIO(L/R) | 1 | 1 |
| | AUDIO OUT(L/R) | 1 | 1 |
| | OPTICAL/COAXIAL | 1 | 1 |
| | HEADPHONE | 1 | 1 |
| Power Source | | AC100~240V, 50/60HZ, 2.2A | AC100~240V, 50/60HZ, 2.2A |
| Power Consumption | | 180 W, standby < 5 W | 180 W, standby < 5 W |
| Dimension | | 26.7 w x 22.1 h x 7.9 d inch | 31.7 w x 25.0 h x 8.4 d inch |
| WEIGHT | | 31.97 LB | 39.5 LB |
| | | | |

| MODEL | | FLM-3732/FLM-373B |
|---|---|---|
| LCD Panel | Panel Size | 37” TFT LCD |
| | Brightness | 500 |
| | Contrast Ratio | 1000:1 |
| Max. Resolution | | 1366x768 |
| Input Connector | VIDEO/AUDIO(L/R) | 2 |
| | S-VIDEO/AUDIO(L/R) | 1 |
| | YPbPr/AUDIO(L/R) | 2 |
| | VGA/AUDIO(L/R) | 1 |
| | HDMI/AUDIO(L/R) | 1 |
| | AUDIO OUT(L/R) | 1 |
| | OPTICAL/COAXIAL | 1 |
| | HEADPHONE | 1 |
| Power Source | | AC100~240V, 50/60HZ, 3.0A |
| Power Consumption | | 275 W, standby < 8 W |
| Dimension | | 36.6 w x 28.2 h x 9.4 d inch |
| WEIGHT | | 54 LB |
| | | |

# Chapter 4
# Programming your Remote Control

## Introduction
Your remote lets you control four devices with one easy-to-use, compact unit. After installing batteries, you can program the remote to control your Universal TV, VCR or DVD, Cable or Satellite Receivers, Amplifier or Tuner, and Auxiliary devices. To do so, follow the instructions in "Programming a Device". For best results, please read and follow all the remaining instructions. Keep this guide for future reference.

## A Quick Look at Programming a Device
To control VCR or DVD, Cable or Satellite Receivers, Amplifier or Tuner, and Auxiliary devices, follow these steps. Before proceeding, find the codes for the devices you want to program in "Manufacturer's Codes" on the right side of this page and write them down or highlight them.

**NOTE:** To program a DVD Player, TV/DVD Combo, TV/VCR/DVD Combo, portable DVD player, or mobile DVD player, use the **DVD** key.

1. Turn on the device (for example, DVD player) and, if needed, load media (for example, a DVD).
2. Press a device key (**VCR/DVD, CBL/ SAT,** or **AUX**).
3. Press and hold **SET** until the red LED blinks twice; then release.
4. Enter the first five-digit code for your device. The LED blinks once as each digit is entered. If the code is correct, the LED blinks twice.
    - **NOTE:** If the LED does not blink twice, repeat steps 2 to 4 and try entering the code again.
5. Aim the remote at the device and press **Power**. The device should turn off. If it does not, repeat steps 3–5, trying each code for your brand until you find one that works. If you cannot find a code that works, see "Searching for Your Code".
6. Repeat steps 1–5 for the other devices you want to control. For future reference, write down each working device code below:
    **AUX** Code:
    **CBL** Code:
    **CD** Code:
    **DVD** Code:
    **SAT** Code:
    **TNR** Code:
    **VCR** Code:
7. Press set to save and exit

## Searching for your Code
If your device does not respond to the remote after trying all codes listed for your brand, or if your brand is not listed, try searching for your code:
1. Press a device key once.
2. Press and hold **SET** until the red LED blinks twice; then release.
3. Enter **9-9-1**, then the device group number (0= Cable, 1= TV, 2= VCR, 3= Audio). The LED blinks twice.
4. Aim the remote at the device and press **Power**. The remote sends IR codes from its library to the selected device, starting with the most popular code first. If the device responds, go to step 7.
5. If the device does not respond, press **CH+**. The remote will try the next code. Continue until the device responds.
    - **Note:** Press **CH-** to try the previous code.
6. To search for other device codes, repeat steps 1 to 5.
7. Press **SET** to save and exit.

## Checking the Codes
If you have set up the remote using the procedure in "Searching for Your Code", you may need to find out which four-digit code is operating your equipment.

For example, to find out which code is assigned to your TV:
1. Press **TV** once.

2. Press and hold **SET** until the red LED blinks twice; then release.
3. Enter **9-9-0**. The LED blinks twice.
4. To view the code for the first digit, press **1**. Count the LED blinks (for example, three blinks = 3), and write down the number in the appropriate code listing in step 8 under “Programming a Device”.
    - **NOTE:** If a code digit is **0**, the LED does not blink.
5. Repeat step 4 for the four remaining digits, using **2** for the second digit, **3** for the third digit, **4** for the fourth digit, and **5** for the fifth digit.
6. To check for other device codes, repeat steps 1—5, substituting the device key for **TV**.

## Changing Volume Lock

The remote comes preset to allow independent volume control of each selected device (Global Volume Unlock). However, you may change the Volume Lock setting to Global Volume Lock so that one device's volume will control volume in all other modes. After that, you can perform Individual Volume Unlock on a selected device to set its volume control for independent operation or Global Volume Unlock to remove all volume locking.

### Locking Volume Control to One Mode (Global Volume Lock)

1. Press and hold **SET** until the red LED blinks twice; then release.
2. Enter **9-9-3** and then press the mode key for the device you want to control volume (for example, **TV**). The LED blinks twice. Now when you press **VOL+**, **VOL-**, or **Mute**, the selected device (for example, **TV**) will control the volume regardless of the current mode.

### Unlocking All Volume Control (Restoring Global Unlock)

1. Press and hold **SET** until the red LED blinks twice; then release.
2. Enter **9-9-3** and then press **VOL+**. The LED blinks four times.

Volume is now independently controlled for all programmed devices.

### Unlocking a Single Device’s Volume Control

1. Press a device key (**TV, VCR/DVD, CBL/ SAT,** or **AUX**).
2. Press and hold **SET** until the red LED blinks twice; then release.
3. Enter **9-9-3** and then press **VOL-**. The LED blinks four times.

Volume is now independently controlled for the selected devices.

## Troubleshooting

**PROBLEM:** LED does not blink when you press a key.
**SOLUTION:** Replace battery with one new 3.3 V 2032 Lithium battery.

**PROBLEM:** LED blinks when you press a key, but device does not respond.
**SOLUTION:** Make sure the remote is aimed at your device and is not more than 15 feet away.

**PROBLEM:** LED blinks one long blink.
**SOLUTION:** An entry error has occurred (for example, wrong key). Try entry sequence again.

**PROBLEM:** Remote does not control devices or commands are not working properly.
**SOLUTION:** Try all listed codes for the device. Make sure the device operates with an infrared remote control.

**PROBLEM: CH+**, **CH-**, and **LAST** do not work for your RCA TV.
**SOLUTION:** Due to RCA design from 1983 to 1987, only the original remote control will operate these functions.

**PROBLEM:** No volume on a device.
**SOLUTION:** See “Changing Volume Lock”.

**PROBLEM:** Channels do not change properly.
**SOLUTION:** If the original remote control required you to press **Enter** to change channels, press **Enter** on this remote after entering the channel number.

## MANUFACTURER'S CODES

### Set Codes for Audio Amplifiers

| | |
|---|---|
| Bose | 30674 |
| GE | 30078 |
| JVC | 30331 |
| Marantz | 30321 |
| Nakamichi | 30321 |
| NEC | 30264 |
| Optimus | 30395 |
| Realistic | 30395 |
| Sansui | 30321 |
| Shure | 30264 |
| Sony | 30689 |
| Soundesign | 30078 |
| Victor | 30331 |
| Wards | 30078 |
| Yamaha | 30354, 30133 |

### Set Codes for Audio Amp/Tuners

| | |
|---|---|
| ADC | 30531 |
| Aiwa | 31405, 31243, 30121 |
| Anam | 31609, 31074 |
| Audiotronic | 31189 |
| Bose | 31229 |
| Capetronic | 30531 |
| Carver | 31189 |
| Coby | 31263 |
| Denon | 31360, 31142, 30904 |
| Fonmix | 31360 |
| Glory Horse | 31263 |
| Harman/Kardon | 30110 |
| Hitachi | 31273 |
| Inkel | 30027 |
| Integra | 30135 |
| JBL | 30110 |
| JVC | 30074, 31263 |
| Kenwood | 31313, 31570, 30027 |
| KLH | 31428 |
| Magnavox | 31189, 31269, 30531 |
| Marantz | 31189, 31269, 30039 |
| MCS | 30039 |
| Onkyo | 30842, 30135 |
| Optimus | 31023, 30670, 30531, 31074 |
| Panasonic | 31518, 30039 |
| Philips | 31189, 31269 |
| Pioneer | 31023, 30150, 30014, 30630, 30531 |
| Proscan | 31254 |
| Qisheng | 31609 |
| Quasar | 30039 |
| RadioShack | 31263 |
| RCA | 31023, 31609, 31254, 30531, 31074 |
| Sharper Image | 31263 |
| Silsonic | 30176 |
| Sony | 31258, 31759 |
| Soundesign | 30670 |
| Stereophonics | 31023 |
| Sunfire | 31313 |
| Teac | 31074, 31267 |
| Technics | 31308, 31518, 30039 |
| Thorens | 31189 |
| Victor | 30074 |
| Wards | 30014 |
| Yamaha | 30176, 31276, 31176 |

**Set Codes for Cable Converters**

| | |
|---|---|
| ABC | 00003, 00008, 00014 |
| Americast | 00899 |
| Bell & Howell | 00014 |
| Bell South | 00899 |
| Clearmaster | 00883 |
| ClearMax | 00883 |
| Coolmax | 00883 |
| Daeryung | 01877, 00877, 00477, 00008 |
| Digi | 00637 |
| Director | 00476 |
| Dumont | 00637 |
| Gehua | 00476 |
| General Instrument | 00476, 00810, 00276, 00003, 00014 |
| GoldStar | 00144 |
| Hamlin | 00009, 00273 |
| Hitachi | 00014 |
| Jerrold | 00476, 00810, 00276, 00003, 00012, 00014 |
| KNC | 00008 |
| LG | 00144 |
| Memorex | 00000 |
| Motorola | 00476, 00810, 00276, 01254, 01376 |
| MultiVision | 00012 |
| Pace | 01877, 00237 |
| Panasonic | 00000, 00008, 00107 |
| Panther | 00637 |
| Paragon | 00000 |
| Philips | 00317, 01305 |
| Pioneer | 01877, 00877, 00144, 00533 |
| Pulsar | 00000 |
| Quasar | 00000 |
| RadioShack | 00883 |
| Regal | 00279, 00273 |
| Runco | 00000 |
| Samsung | 00000, 00144 |
| Scientific Atlanta | 01877, 00877, 00477, 00008 |
| Sony | 01006 |
| Starcom | 00003, 00014 |
| Supercable | 00276 |
| Supermax | 00883 |
| Tocom | 00012 |
| Torx | 00003 |
| Toshiba | 00000 |
| Trans PX | 00276 |
| Tristar | 00883 |
| TS | 00003 |
| V2 | 00883 |
| Viewmaster | 00883 |
| Vision | 00883 |
| Vortex View | 00883 |
| Zenith | 00000, 00525, 00899 |

**Set Codes for CD Players**

| | |
|---|---|
| Aiwa | 30157 |
| Burmester | 30420 |
| California Audio Labs | 30029 |
| Carver | 30157, 30179 |
| Denon | 30873 |
| DKK | 30000 |
| DMX Electronics | 30157 |
| Dynamic Bass | 30179 |
| Fisher | 30179 |
| Garrard | 30420 |
| Genexxa | 30032 |

| | |
|---|---|
| Harman/Kardon | 30157, 30173 |
| Hitachi | 30032 |
| Integra | 30101 |
| JVC | 30072 |
| Kenwood | 30826, 30626, 30028, 30037, 30036, 30190 |
| Krell | 30157 |
| Linn | 30157 |
| Magnavox | 30157 |
| Marantz | 30626, 30029, 30157 |
| MCS | 30029 |
| Miro | 30000 |
| Mission | 30157 |
| MTC | 30420 |
| NSM | 30157 |
| Onkyo | 30868, 30101 |
| Optimus | 31063, 30000, 30032, 30037, 30420, 30179, 31075, 30145 |
| Panasonic | 30029 |
| Parasound | 30420 |
| Philips | 30626, 30157 |
| Pioneer | 31063, 31062, 30032 |
| Polk Audio | 30157 |
| Proton | 30157 |
| QED | 30157 |
| Quad | 30157 |
| Quasar | 30029 |
| RadioShack | 31075 |
| RCA | 31062, 30032, 30420, 30179, 30053 |
| Realistic | 30420, 30179 |
| Rotel | 30157, 30420 |
| SAE | 30157 |
| Sansui | 30157 |
| Sanyo | 30179 |
| SAST | 30157 |
| Sharp | 30861, 30037 |
| Silsonic | 30888, 30036 |
| Sonic Frontiers | 30157 |
| Sony | 30490, 30000, 30100 |
| Soundesign | 30145 |
| TAG McLaren | 30157 |
| Tascam | 30420 |
| Teac | 30420 |
| Technics | 30029 |
| Victor | 30072 |
| Wards | 30157, 30053 |
| Yamaha | 30888, 30036 |
| Zonda | 30157 |

**Set Codes for DVD Players**

| | |
|---|---|
| Aiwa | 20641, 21912 |
| Akai | 20770 |
| Allegro | 20869 |
| Apex Digital | 20672, 20717, 20797, 21061, 20796, 21056, 21937, 20794, 21020, 21915 |
| Blaupunkt | 20717 |
| Blue Parade | 20571 |
| Broksonic | 20695 |
| Changhong | 20627, 21061 |
| CineVision | 20869 |
| Coby | 21086 |
| Curtis Mathes | 21087 |
| CyberHome | 21024, 21023, 21129, 20816, 21117 |
| Daewoo | 20833, 21172, 20869 |
| Denon | 20490 |
| DVD2000 | 20521 |

| | |
|---|---|
| Emerson | 20591, 20675 |
| Enterprise | 20591 |
| Fisher | 21919 |
| Funai | 20675 |
| Gateway | 21158, 21073 |
| GE | 20522, 20717 |
| Go Video | 20744, 20833, 21099, 20783, 21075, 20869, 21730 |
| Greenhill | 20717 |
| Harman/Kardon | 20582, 20702 |
| Hitachi | 20573, 20664, 21919 |
| Hiteker | 20672 |
| Initial | 20717 |
| Integra | 20627, 21924 |
| JBL | 20702 |
| JVC | 20558, 20623, 20867 |
| Kenwood | 20490, 20534 |
| KLH | 20717, 21020, 21149 |
| Koss | 20651, 21980 |
| Lasonic | 20798 |
| LG | 20591, 20869, 20801 |
| Liquid Video | 21980 |
| Lite-On | 21158, 21058 |
| Loewe | 20511 |
| Magnavox | 20503, 20539, 21976, 21914, 20675 |
| Marantz | 20539 |
| Memorex | 20695 |
| Microsoft | 20522 |
| Mintek | 20717 |
| Mitsubishi | 21521, 20521 |
| Nesa | 20717 |
| Norcent | 21003 |
| Onkyo | 20503, 20627, 21924, 20792 |
| Oritron | 20651, 21980 |
| Panasonic | 20490, 21762, 21990 |
| Philips | 20503, 20539, 20646, 21914 |
| Pioneer | 20525, 20571 |
| Polaroid | 21086, 21061 |
| Polk Audio | 20539 |
| Portland | 20770 |
| Proscan | 20522 |
| Qwestar | 20651 |
| RCA | 20522, 20571, 20717, 20822 |
| Rio | 20869 |
| Rotel | 20623 |
| Sampo | 20752, 20698 |
| Samsung | 20490, 20573, 21932, 21075, 20820 |
| Sansui | 20695 |
| Sanyo | 20695 |
| Sharp | 20630, 20752 |
| Sharper Image | 21117 |
| Sherwood | 20770 |
| Shinco | 20717 |
| Shinsonic | 20533 |
| Sonic Blue | 20869, 21099 |
| Sony | 20533, 20864, 21033, 21904, 21903 |
| SVA | 20717 |
| Sylvania | 20675 |
| Symphonic | 20675 |
| Teac | 20717, 21984, 20809 |
| Technics | 20490 |
| Theta Digital | 20571 |
| Toshiba | 20503, 20695 |
| Urban Concepts | 20503 |
| Xbox | 20522 |
| Yamaha | 20490, 20539, 20545 |
| Zenith | 20503, 20591, 20869 |

**Set Codes for Satellite Receivers**

| | |
|---|---|
| AlphaStar | 00772 |
| Chaparral | 00216 |
| Crossdigital | 01109 |
| DirecTV | 00392, 00566, 00639, 01142, 00247, 00749, 01749, 00724, 00819, 01856, 01076, 01109, 00099, 01392, 01640, 01442, 01414, 01108 |
| Dish Network System | 01005, 00775, 01505 |
| Dishpro | 01005, 00775, 01505 |
| Echostar | 01005, 00775, 01505 |
| Expressvu | 00775 |
| GE | 00566 |
| General Instrument | 00869 |
| GOI | 00775 |
| Goodmans | 01246 |
| Hisense | 01535 |
| Hitachi | 00819, 00222, 01250 |
| HTS | 00775 |
| Hughes Network Systems | 01142, 00749, 01749, 01442 |
| I-Lo | 01535 |
| JVC | 00775 |
| LG | 01414, 01226 |
| Magnavox | 00724, 00722 |
| Memorex | 00724 |
| Mitsubishi | 00749 |
| Motorola | 00869 |
| NEC | 01270 |
| Next Level | 00869 |
| Panasonic | 00247, 00701 |
| Paysat | 00724 |
| Philips | 01142, 00749, 01749, 00724, 01076, 00722, 00099, 01442 |
| Proscan | 00392, 00566 |
| Proton | 01535 |
| RadioShack | 00869 |
| RCA | 00392, 00566, 00855, 00143, 01392 |
| Samsung | 01276, 01109, 01108 |
| Sanyo | 01219 |
| SKY | 00856 |
| Sony | 00639, 01640 |
| Star Choice | 00869 |
| Tivo | 01142, 01442 |
| Toshiba | 00749, 01749, 00790, 01285 |
| UltimateTV | 01640, 01392 |
| Uniden | 00724, 00722 |
| US Digital | 01535 |
| USDTV | 01535 |
| Voom | 00869 |
| Zenith | 00856, 01856 |

**Set Codes for TVs**

| | |
|---|---|
| Addison | 10092 |
| Admiral | 10093, 10463 |
| Advent | 10761, 10842 |
| Aiko | 10092 |
| Aiwa | 11914 |
| Akai | 10812, 10702, 10030, 10672, 11903 |
| Albatron | 10700, 10843 |
| America Action | 10180 |
| Anam | 10250, 10180, 10700 |
| Anam National | 10250, 10650 |
| Anhua | 10051 |
| AOC | 10451, 10093, 10180, 10060, 10030, 10178, 10092 |
| Apex Digital | 10748, 10765, 10879, 10767, 11943 |

| | |
|---|---|
| Audiovox | 10451, 10180, 10875, 10092, 10623 |
| Baile | 10661 |
| Beijing | 10812, 10661 |
| Bell & Howell | 10154 |
| BenQ | 11032 |
| Bradford | 10180 |
| Broksonic | 10236, 10463, 11911, 11938, 11905, 11935, 11929 |
| Cailing | 10748 |
| Candle | 10030 |
| Carnivale | 10030 |
| Carver | 10054 |
| Celebrity | 10000 |
| Celera | 10765 |
| Changcheng | 10051, 10661 |
| Changhong | 10156, 10765, 11156, 10767 |
| Ching Tai | 10092 |
| Chun Yun | 10000, 10180, 10700, 10092, 10843 |
| Chung Hsin | 10180, 10053 |
| Cinema | 10672 |
| Citizen | 10180 |
| Commercial Solutions | 11447, 10047 |
| Conrowa | 10156, 10145, 11156 |
| Contec | 10180 |
| Craig | 10180 |
| Crosley | 10054 |
| Crown | 10180 |
| Curtis Mathes | 10047, 10054, 10154, 10451, 10093, 10060, 10702, 10030, 10145, 10166 |
| CXC | 10180 |
| Daewoo | 10154, 10451, 10180, 10030, 10178, 10672, 11928, 10092, 10661, 11909, 10623, 10700 |
| Dayu | 10661 |
| Dell | 11080 |
| Denon | 10145 |
| Dumont | 10017 |
| Durabrand | 10463, 10180, 10178, 10171, 11034 |
| Electroband | 10000 |
| Emerson | 10154, 10236, 10463, 10180, 10178, 10171, 11944, 11909, 11929, 11905, 11928, 10623, 11911 |
| Envision | 10030 |
| Ether | 10030 |
| Firstar | 10236 |
| Fisher | 10154 |
| Fortress | 10093 |
| Fujitsu | 10809, 10853 |
| Funai | 10180, 10171, 11904 |
| Furi | 10145 |
| Futuretech | 10180 |
| Gateway | 11756, 11755 |
| GE | 11447, 10047, 11454, 10051, 10451, 10180, 10030, 10178, 11917, 10092, 11907, 11922 |
| Gibralter | 10017, 10030 |
| GoldStar | 10154, 10030, 10178, 11926 |
| Grunpy | 10180 |
| Haier | 11034 |
| Hallmark | 10178 |
| Hankook | 10180, 10030, 10178 |
| Harley Davidson | 11904 |
| Harman/Kardon | 10054 |
| Harvard | 10180 |
| Havermy | 10093 |
| Helios | 10865 |
| Hello Kitty | 10451 |
| Hisense | 10156, 10748, 10145, 11156 |
| Hitachi | 10156, 10030, 10178, 11145, 10145, 10092, 11904, 11156 |
| Hongmei | 10093 |
| Huafa | 10145 |
| Huari | 10145 |
| Huodateji | 10051 |

| | |
|---|---|
| Imperial Crown | 10661 |
| Infinity | 10054 |
| Inteq | 10017 |
| JBL | 10054 |
| JCB | 10000 |
| Jean | 10156, 10051, 10236, 10092 |
| Jensen | 10761 |
| Jiahua | 10051 |
| Jinfeng | 10051 |
| Jinxing | 10054, 10156, 10145 |
| JVC | 10053, 11923, 11253 |
| Kangli | 10661 |
| KEC | 10180 |
| Kenwood | 10030 |
| KLH | 10765, 10767 |
| Kolin | 10180, 10150, 10053 |
| KTV | 10180, 10030 |
| Kunlun | 10051, 10661 |
| LG | 10060, 10030, 10178, 10856, 10700, 10025 |
| Lloyd's | 11904 |
| LXI | 10047, 10054, 10154, 10156, 10178 |
| Magnasonic | 11928, 11913 |
| Magnavox | 11454, 10054, 10030, 10706, 11931, 11254, 11913, 11904, 11944 |
| Magnin | 11907 |
| Marantz | 10054, 10030, 10704 |
| Matsushita | 10250, 10650 |
| Maxent | 11755 |
| Megapower | 10700 |
| Megatron | 10178, 10145 |
| Memorex | 10154, 10463, 10150, 10178, 11911, 11926, 11924, 11920, 11927 |
| MGA | 10150, 10030, 10178, 11907 |
| Midland | 10047, 10017, 10051 |
| Mitsubishi | 10154, 10250, 10093, 10236, 10180, 11250, 10150, 10030, 10178, 11917, 10836 |
| Monivision | 10843, 10700 |
| Motorola | 10093 |
| MTC | 10060, 10030 |
| Mudan | 10051 |
| Multitech | 10180 |
| NAD | 10156, 10178, 10866 |
| National | 10051 |
| NEC | 10154, 10156, 10051, 10053, 10030, 10178, 11704 |
| Newave | 10093, 10178, 10092 |
| Nikko | 10030, 10178, 10092 |
| Norcent | 10748, 10824 |
| NTC | 10092 |
| Onwa | 10180 |
| Optimus | 10154, 10250, 10166, 10650, 11927, 11924, 11913 |
| Optonica | 10093 |
| Orion | 10236, 10463, 11929, 11911, 11905 |
| Panasonic | 10054, 10250, 10051, 10650, 11941, 11927, 11924 |
| Panda | 10051, 10706 |
| Penney | 10047, 10156, 10051, 10060, 10030, 10178, 11926, 11907 |
| Philco | 10054, 10180, 10030, 10178 |
| Philips | 11454, 10054, 10000, 10051, 10030, 10178, 10092, 10690 |
| Pilot | 10030 |
| Pioneer | 10166, 10866, 10679 |
| Portland | 10092 |
| Prima | 10761 |
| Princeton | 10700 |
| Prism | 10051 |
| Proscan | 11447, 10047, 11922 |
| Proton | 10030, 10178 |
| Pulsar | 10017 |
| Qingdao | 10051 |
| Quasar | 10250, 10051, 11924, 10650 |
| RadioShack | 10047, 10154, 10180, 10030, 10178, 11920, 11904 |

| | |
|---|---|
| RCA | 11447, 10047, 11454, 10000, 10030, 10178, 11547, 11922,11917, 10092, 11907, 11948, 10090, 10679 |
| Realistic | 10154, 10180, 10030, 10178 |
| Rowa | 10748 |
| Runco | 10017, 10030 |
| Sampo | 10154, 10093, 10030, 10178, 10171, 10700, 10650, 11755, 10092 |
| Samsung | 10154, 10156, 10060, 10812, 10702, 10030, 10178, 11060, 10814, 10092, 11903, 10090, 10766 |
| Sansui | 10463, 11904, 11935, 11929, 11911 |
| Sanyo | 10154, 10156, 10180, 10145, 11907 |
| Sanyuan | 10093 |
| Scotch | 10178 |
| Scott | 10236, 10180, 10178 |
| Sears | 10047, 10054, 10154, 10156, 10178, 10171, 11926, 11904 |
| Shaofeng | 10145 |
| Sharp | 10093, 10030, 10650, 11917 |
| Shen Ying | 10092 |
| Shencai | 10145 |
| Sheng Chia | 10093, 10236 |
| Skygiant | 10180 |
| Skyworth | 10748 |
| Sony | 11100, 10000, 10650, 11925, 11904 |
| Soundesign | 10180, 10178 |
| Sowa | 10156, 10051, 10060, 10178, 10092 |
| Squareview | 10171 |
| SSS | 10180 |
| Starlite | 10180 |
| Studio Experience | 10843 |
| Supreme | 10000 |
| SVA | 10748, 10865 |
| Sylvania | 10054, 10030, 10171, 11944, 11931 |
| Symphonic | 10180, 10171, 11913, 11904 |
| Synco | 10000, 10451, 10093, 10060, 10178, 10092 |
| Tacico | 10178, 10092 |
| Tandy | 10093 |
| Tashiko | 10092, 10650 |
| Tatung | 10054, 10154, 10156, 10051, 10060, 11156, 11756, 11254 |
| Technics | 10250, 10051 |
| Techwood | 10051 |
| Teco | 10051, 10093, 10178, 10092 |
| Teknika | 10054, 10180, 10150, 10060, 10092 |
| Telefunken | 10702 |
| Tera | 10030 |
| Thomas | 11904 |
| Tiane | 10093 |
| TMK | 10178 |
| TNCi | 10017 |
| Tobo | 10748 |
| Toshiba | 10154, 10156, 10060, 10145, 11945, 11704, 11936, 11156,11935, 10650, 11918 |
| Tuntex | 10030, 10092 |
| TVS | 10463 |
| V Inc. | 11756, 10885, 10864 |
| Vector Research | 10030 |
| Victor | 10250, 10053, 10650 |
| Vidikron | 10054 |
| Vidtech | 10178 |
| Viewsonic | 11755, 10885, 10864 |
| Wards | 10054, 10030, 10178, 10866, 11156 |
| Warumaia | 10661 |
| Waycon | 10156 |
| White Westinghouse | 10463, 11909, 10623 |
| Yamaha | 10030 |
| Yapshe | 10250 |
| Zenith | 10017, 10463, 10178, 11904, 11929, 11911, 11909, 10092 |

**Set Codes for VCRs**

| | |
|---|---|
| ABS | 21972 |
| Admiral | 20048, 20209 |
| Aiko | 20278 |
| Aiwa | 20037, 20479 |
| Alienware | 21972 |
| America Action | 20278 |
| American High | 20035 |
| Amoisonic | 20479 |
| Anam | 20162, 20037, 20240, 20278 |
| Anam National | 20162 |
| Asha | 20240 |
| Audiovox | 20037, 20278 |
| Beaumark | 20240 |
| Bell & Howell | 20104 |
| Broksonic | 20184, 20121, 20209, 20002, 20479 |
| Calix | 20037 |
| Canon | 20035 |
| Carver | 20081 |
| CCE | 20072, 20278 |
| Changhong | 20048, 20081 |
| Citizen | 20037, 20278 |
| Colt | 20072 |
| Craig | 20037, 20047, 20240, 20072 |
| Curtis Mathes | 20060, 20035, 20162 |
| Cybernex | 20240 |
| CyberPower | 21972 |
| Daewoo | 20045, 20104, 20278 |
| Dell | 21972 |
| Denon | 20042 |
| DirecTV | 20739 |
| Durabrand | 20039, 20038 |
| Electrohome | 20037 |
| Electrophonic | 20037 |
| Emerex | 20032 |
| Emerson | 20035, 20037, 20184, 20240, 20045, 20121, 20043, 20209, 20002, 20278, 20479 |
| Fisher | 20047, 20104 |
| Fuji | 20035, 20033 |
| Fujitsu | 20045 |
| Gateway | 21972 |
| GE | 20060, 20035, 20240 |
| General | 20045 |
| Go Video | 20432 |
| GoldStar | 20037, 20209, 20038, 20225 |
| Haojie | 20240 |
| Harman/Kardon | 20081, 20038 |
| Harwood | 20072 |
| Hewlett Packard | 21972 |
| HI-Q | 20047 |
| Hitachi | 20037, 20042, 20055 |
| Howard Computers | 21972 |
| HP | 21972 |
| Hughes Network Systems | 20042, 20739 |
| iBUYPOWER | 21972 |
| JVC | 20045, 20067 |
| KEC | 20037, 20278 |
| Kenwood | 20067, 20038 |
| KLH | 20072 |
| Kodak | 20035, 20037 |
| Kolin | 20043 |
| LG | 20037, 20045, 20042, 20209, 20038 |
| Logik | 20072 |
| LXI | 20037 |
| Magnavox | 20035, 20039, 20081 |
| Magnin | 20240 |
| Marantz | 20035, 20081 |
| Marta | 20037 |

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|---|---|
| Matsushita | 20035, 20162 |
| Media Center PC | 21972 |
| MEI | 20035 |
| Memorex | 20035, 20162, 20037, 20048, 20039, 20047, 20240, 20104, 20209, 20479 |
| MGA | 20240, 20043 |
| MGN Technology | 20240 |
| Microsoft | 21972 |
| Mind | 21972 |
| Minolta | 20042 |
| Mitsubishi | 20067, 20043 |
| Motorola | 20035, 20048 |
| MTC | 20240 |
| Multitech | 20072 |
| NEC | 20035, 20037, 20048, 20104, 20067, 20038 |
| Newave | 20037 |
| Nikko | 20037 |
| Noblex | 20240 |
| Northgate | 21972 |
| Olympus | 20035 |
| Optimus | 21062, 20162, 20037, 20048, 20104, 20432 |
| Orion | 20184, 20209, 20002, 20479 |
| Panasonic | 21062, 20035, 20162, 20616, 20225 |
| Penney | 20035, 20037, 20240, 20042, 20038 |
| Pentax | 20042 |
| Philco | 20035, 20479 |
| Philips | 20035, 20081, 20739, 20618 |
| Pilot | 20037 |
| Pioneer | 20042, 20067 |
| Polk Audio | 20081 |
| Profitronic | 20240 |
| Proscan | 20060 |
| Protec | 20072 |
| Pulsar | 20039 |
| Qisheng | 20060 |
| Quasar | 20035, 20162 |
| Radix | 20037 |
| Randex | 20037 |
| RCA | 20060, 20035, 20240, 20042, 20880 |
| Realistic | 20035, 20037, 20048, 20047, 20104 |
| ReplayTV | 20616 |
| Runco | 20039 |
| Sampo | 20037, 20048 |
| Samsung | 20240, 20045, 20432 |
| Sanky | 20048, 20039 |
| Sansui | 20067, 20209, 20479 |
| Sanyo | 20047, 20240, 20104 |
| Scott | 20184, 20045, 20121, 20043 |
| Sears | 20035, 20037, 20047, 20042, 20104 |
| Sharp | 20048, 20209 |
| Shintom | 20072 |
| Shogun | 20240 |
| Singer | 20072 |
| Sonic Blue | 20616 |
| Sony | 20035, 20032, 20033, 20636, 21972 |
| STS | 20042 |
| Sylvania | 20035, 20081, 20043 |
| Systemax | 21972 |
| Tagar Systems | 21972 |
| Tashiko | 20037 |
| Tatung | 20045, 20067 |
| Technics | 20035, 20162 |
| Teco | 20035, 20037, 20048, 20038 |
| Teknika | 20035, 20037 |
| Tivo | 20636, 20618, 21503, 20739 |
| TMK | 20240 |
| Toshiba | 20045, 20042, 20067, 20043, 21503, 21008, 21972 |

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|---|---|
| Totevision | 20037, 20240 |
| Touch | 21972 |
| Unitech | 20240 |
| Vector | 20045 |
| Vector Research | 20038 |
| Victor | 20067 |
| Video Concepts | 20045 |
| Videomagic | 20037 |
| Videosonic | 20240 |
| Viewsonic | 21972 |
| Wards | 20060, 20035, 20048, 20047, 20081, 20240, 20042, 20072 |
| White Westinghouse | 20209, 20072 |
| XR-1000 | 20035, 20072 |
| Yamaha | 20038 |
| Zenith | 20039, 20033, 20209, 20479 |
| ZT Group | 21972 |

## CARE

- Keep the remote dry. If it gets wet, wipe it dry immediately.
- Use and store the unit only in normal temperature environments.
- Handle the remote gently and carefully. Don’t drop it.
- Wipe the remote with a damp cloth to keep it looking like new.

For service, support and warranty information, visit www.polaroid.com or in the US call 1-866-289-5168, in Canada call 1-866-301-7922 and in Mexico call 01-800-400-2443.

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